

Compilation de MAME pour Windows

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Liens web

<https://www.mamedev.org/tools/>

<https://docs.mamedev.org/initialsetup/compilingmame.html>

introduction

L'environnement de développement MAME pour Windows comprend :

- le compilateur **GCC** (via MinGW)
- **MSYS2** (couche de compatibilité **POSIX / Unix**),
- divers utilitaires tels que **Python** et **Git, make...**

Il est disponible sous la forme d'un installateur préemballé ou peut être assemblé à partir de composants individuels.

Le code source est géré par github (<https://github.com/mamedev/mame.git>), vous devrez donc en extraire une copie. Divers modules sont désactivés par défaut, mais peuvent être activés via des arguments lors de la construction et peuvent nécessiter l'installation de packages MSYS2 supplémentaires.

Téléchargement

Télécharger Windows Dual 32-bit/64-bit - msys64-32-2019-12-23.exe comme expliqué ici <https://www.mamedev.org/tools/>

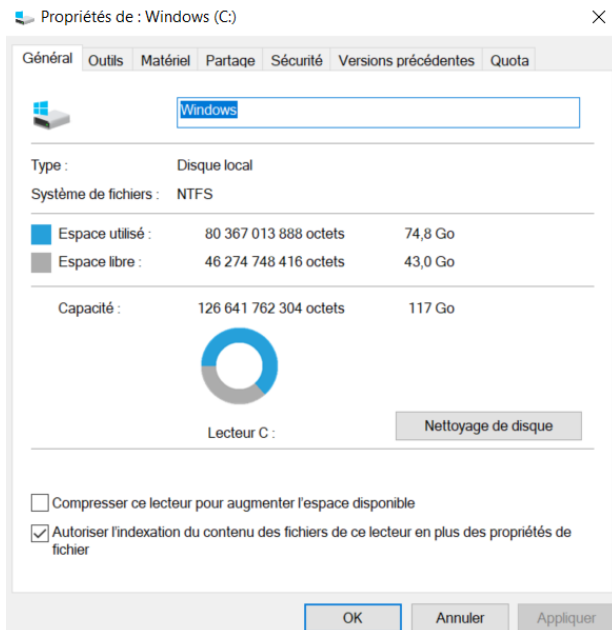
(Si vous avez Windows 64 bits mais que vous souhaitez construire à la fois pour 32 bits et 64 bits. Pour basculer entre les différentes versions de mingw, utilisez config32.bat et config64.bat)

Attention : je vous conseille très vivement de respecter l'installation sur le disque **c** : comme expliqué ci-dessous, sinon vous risquez d'essayer bien plus d'erreurs que celles qui se produiront de toute façon.

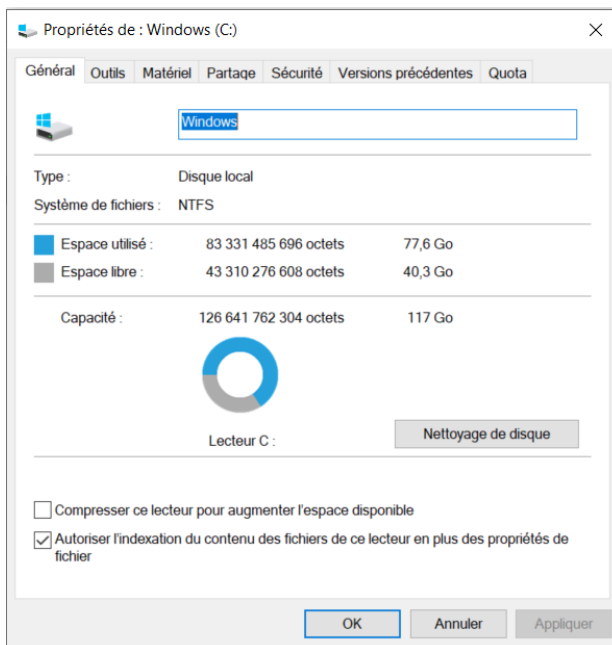
Installation

Décompresser le fichier téléchargé dans **c:**

Espace libre avant décompression dans c:\ :



Espace libre après décompression dans c:\ :



ce qui va créer le répertoire **c:\msys64**

Voir à la toute fin de ce document pour la place totale qui sera utilisée !!!

lancer la console POSIX MSYS2

mingw64.exe

Ceci va afficher une console compatible POSIX/Unix.

Configurer l'environnement git

git config --global core.autocrlf true

Mettre à jour les outils

pacman -Sy

Ceci va s'afficher :

```
:: Synchronisation des bases de données de paquets...

mingw32
722,6 KiB 472 KiB/s 00:02
[#####] 100%

mingw32.sig
438,0 B 0,00 B/s 00:00
[#####] 100%

erreur : mingw32 : la clé
< 4A6129F4E4B84AE46ED7F635628F528CF3053E04 > est inconnue

:: Importer la clé PGP 4A6129F4E4B84AE46ED7F635628F528CF3053E04 ?
[O/n] O

erreur : mingw32 : la signature de « David Macek
<david.macek.0@gmail.com> » est de confiance inconnue

erreur : la mise à jour de mingw32 a échoué (base de données non
valide ou corrompue (signature PGP))

mingw64
724,6 KiB 442 KiB/s 00:02
[#####] 100%

mingw64.sig
438,0 B 0,00 B/s 00:00
[#####] 100%

erreur : mingw64 : la signature de « David Macek
<david.macek.0@gmail.com> » est de confiance inconnue

erreur : la mise à jour de mingw64 a échoué (base de données non
valide ou corrompue (signature PGP))

msys
268,7 KiB 410 KiB/s 00:01
[#####] 100%

msys.sig
438,0 B 0,00 B/s 00:00
[#####] 100%

erreur : msys : la signature de « David Macek
<david.macek.0@gmail.com> » est de confiance inconnue

erreur : la mise à jour de msys a échoué (base de données non
valide ou corrompue (signature PGP))

erreur : la synchronisation de toutes les bases de données a
échoué

[MINGW64] D:\Program Files\msys64\msys64\src>git clone
https://github.com/mamedev/mame.git

Cloning into 'mame'...

remote: Enumerating objects: 209, done.
remote: Counting objects: 100% (209/209), done.
remote: Compressing objects: 100% (152/152), done.
Receiving objects: 100% (1080193/1080193), 1.11 GiB | 431.00 KiB/s, done.984
: 100% (1080193/1080193), 1.11 GiB | 472.00 KiB/s Resolving deltas: 100%
(909644/909644), done.

Updating files: 100% (34530/34530), done.

[MINGW64] D:\Program Files\msys64\msys64\src>cd mame

PATH=D:\Program Files\msys64\msys64\mingw64\bin;D:\Program
Files\msys64\msys64\usr\bin;C:\Windows\System32;C:\Windows
```

==> !!!!! Il y a des messages d'erreur, ce n'est pas bon, il faut appliquer la procédure de correction comme ci-dessous (et rappelée cette page web <https://www.msys2.org/news/#2020-06-29-new-packagers>)

Réparer la distribution

Lancer d'abord :

```
curl -O http://repo.msys2.org/msys/x86_64/msys2-keyring-r21.b39fb11-1-any.pkg.tar.xz
```

Ensuite :

```
curl -O http://repo.msys2.org/msys/x86_64/msys2-keyring-r21.b39fb11-1-any.pkg.tar.xz.sig
```

Ensuite :

```
pacman-key --verify msys2-keyring-r21.b39fb11-1-any.pkg.tar.xz.sig
```

➔ La commande suivante se passera mal :

```
pacman -U msys2-keyring-r21.b39fb11-1-any.pkg.tar.xz
```

➔ Il faut forcer pacman à l'accepter en lançant :

```
pacman -U --config <(echo) msys2-keyring-r21.b39fb11-1-any.pkg.tar.xz
```

Ce qui affichera ceci :

chargement des paquets...

résolution des dépendances...

recherche des conflits entre paquets...

Paquets (1) msys2-keyring-r21.b39fb11-1

Taille totale installée : 0,05 MiB

Taille de mise à jour nette : 0,03 MiB

:: Procéder à l'installation ? [O/n] o

(1/1) vérification des clés dans le trousseau [####....#####] 100%

(1/1) vérification de l'intégrité des paquets [####....#####] 100%

(1/1) chargement des fichiers des paquets [####....#####] 100%

(1/1) analyse des conflits entre fichiers [####....#####] 100%

:: Traitement des changements du paquet...

(1/1) mise à jour de msys2-keyring [####....#####] 100%

==> Ajout des clés depuis msys2.gpg...

==> Signature locale des clés de confiance dans le trousseau de clés...

-> Signature locale de la clé 6E8FEAFF9644F54EED90EEA0790AE56A1D3CFDDC...

-> Signature locale de la clé D55E7A6D7CE9BA1587C0ACACF40D263ECA25678A...

-> Signature locale de la clé 123D4D51A1793859C2BE916BBBE514E53E0D0813...

-> Signature locale de la clé B91BCF3303284BF90CC043CA9F418C233E652008...

-> Signature locale de la clé 9DD0D4217D75A33B896159E6DA7EF2ABAEEA755C...

-> Signature locale de la clé 69985C5EB351011C78DF7F6D755B8182ACD22879...

==> Importation des valeurs des propriétaires de confiance...

gpg: setting ownertrust to 4

gpg: setting ownertrust to 4

==> Désactivation des clés révoquées du trousseau de clés...

-> Désactivation de la clé B19514FB53EB3668471B296E794DCF97F93FC717...

==> Mise à jour de la base de données de confiance...

gpg: marginals needed: 3 completes needed: 1 trust model: pgp

gpg: profondeur : 0 valables : 1 signées : 6

confiance : 0 i., 0 n.d., 0 j., 0 m., 0 t., 1 u.

gpg: profondeur : 1 valables : 6 signées : 6

confiance : 0 i., 0 n.d., 0 j., 6 m., 0 t., 0 u.

gpg: profondeur : 2 valables : 6 signées : 0

confiance : 6 i., 0 n.d., 0 j., 0 m., 0 t., 0 u.

gpg: la prochaine vérification de la base de confiance aura lieu le 2021-

10-02

REPRENDRE LA MAJ DES PAQUETS :

```
$ pacman -Sy
```

```
:: Synchronisation des bases de données de paquets...  
mingw32 est à jour  
mingw64 est à jour  
msys est à jour
```

```
$ pacman -S bash pacman msys2-runtime --noconfirm --needed
```

```
résolution des dépendances...  
recherche des conflits entre paquets...  
Paquets (4) zstd-1.4.5-2  bash-4.4.023-2  msys2-runtime-3.1.7-3  pacman-5.2.2-4  
Taille totale du téléchargement : 15,97 MiB  
Taille totale installée : 56,27 MiB  
Taille de mise à jour nette : -3,55 MiB
```

```
:: Procéder à l'installation ? [O/n] O
```

```
:: Récupération des paquets...  
msys2-runtime-3.1.7-3-x86_64 2,7 MiB 458 KiB/s 00:06 [#####] 100%  
bash-4.4.023-2-x86_64 1934,3 KiB 474 KiB/s 00:04 [#####] 100%  
zstd-1.4.5-2-x86_64 322,1 KiB 439 KiB/s 00:01 [#####] 100%  
pacman-5.2.2-4-x86_64 11,1 MiB 450 KiB/s 00:25 [#####] 100%  
(4/4) vérification des clés dans le trousseau [#####] 100%  
(4/4) vérification de l'intégrité des paquets [#####] 100%  
(4/4) chargement des fichiers des paquets [#####] 100%  
(4/4) analyse des conflits entre fichiers [#####] 100%  
(4/4) vérification de l'espace disque disponible [#####] 100%  
:: Traitement des changements du paquet...  
(1/4) mise à jour de msys2-runtime [#####] 100%  
(2/4) mise à jour de bash [#####] 100%  
(3/4) installation de zstd [#####] 100%  
(4/4) mise à jour de pacman [#####] 100%
```

Sortir de la console

```
exit
```

Rebooter le PC

```
Rebooter windows (éteindre la machine et relancer)
```


relancer la console POSIX MSYS2

minggw64.exe

Terminer la mise à jour des outils

pacman -Su --noconfirm

Ceci m'a fermé la console... Donc...

relancer la console POSIX MSYS2

minggw64.exe

Télécharger les sources de MAME depuis github

git clone https://github.com/mamedev/mame.git

==> Ca démarre et il y en a pour un moment :

```
$ git clone https://github.com/mamedev/mame.git
Clonage dans 'mame'...
remote: Enumerating objects: 40, done.
remote: Counting objects: 100% (40/40), done.
remote: Compressing objects: 100% (26/26), done.
$ git clone https://github.com/mamedev/mame.gitio | 102.00 Kio/s
Clonage dans 'mame'...
remote: Enumerating objects: 40, done.), 1.54 Mio | 96.00 Kio/s
remote: Counting objects: 100% (40/40), done.
remote: Compressing objects: 100% (26/26), done.
Réception d'objets: 0% (4608/1080230), 1.30 Mio | 107.00 Kio/s
Réception d'objets: 100% (1080230/1080230), 1.11 Gio | 102.00 Kio/s, fait.
remote: Total 1080230 (delta 18), reused 29 (delta 14), pack-reused 1080190
Résolution des deltas: 100% (909735/909735), fait.
Mise à jour des fichiers: 100% (34531/34531), fait.

bruno@BRUNO-MSI MINGW64 ~
$ $ git clone https://github.com/mamedev/mame.git
-bash: $ : commande introuvable

bruno@BRUNO-MSI MINGW64 ~
$ Clonage dans 'mame'...
```

```
-bash: Clonage : commande introuvable

bruno@BRUNO-MSI MINGW64 ~
$ remote: Enumerating objects: 40, done.
-bash: remote: : commande introuvable

bruno@BRUNO-MSI MINGW64 ~
$ remote: Counting objects: 100% (40/40), done.
-bash: erreur de syntaxe près du symbole inattendu « ( »

bruno@BRUNO-MSI MINGW64 ~
$ remote: Compressing objects: 100% (26/26), done.
-bash: erreur de syntaxe près du symbole inattendu « ( »

bruno@BRUNO-MSI MINGW64 ~
$ Réception d'objets: 0% (4608/1080230), 1.30 Mio | 107.00 Kio/s
```

Sortir de la console

exit

relancer la console POSIX MSYS2

minggw64.exe

compiler MAME

cd mame

make

⇒ Ce qui affiche :

```
GCC 9.2.0 detected
Creating obj/Release
Creating obj/Release/src/host
Creating obj/Release/src/host/lua-5.3.0/src
Creating ../../bin/windows
lapi.c
lauxlib.c
lbaselib.c
lbitlib.c
lcode.c
lcorolib.c
```

```

lctype.c
ldblib.c
ldebug.c
ldo.c
ldump.c
lfunc.c
lgc.c
../../src/host/lua-5.3.0/src/lgc.c: In function 'freeobj':
../../src/host/lua-5.3.0/src/lgc.c:691:7: warning: this statement may fall
through [-Wimplicit-fallthrough=]
    691 |         luaS_remove(L, gco2ts(o)); /* remove it from hash table */
        |         ^~~~~~
../../src/host/lua-5.3.0/src/lgc.c:693:5: note: here
    693 |         case LUA_TLNGSTR: {
        |         ^~~~
linit.c
liolib.c
llex.c
lmathlib.c
lmem.c
loadlib.c
../../src/host/lua-5.3.0/src/loadlib.c: In function 'lsys_sym':
../../src/host/lua-5.3.0/src/loadlib.c:230:21: warning: cast between
incompatible function types from 'FARPROC' {aka 'long long int (*)()'} to 'int
(*) (lua_State *)' {aka 'int (*) (struct lua_State *)'} [-Wcast-function-type]
    230 |     lua_CFunction f = (lua_CFunction)GetProcAddress((HMODULE)lib, sym);
        |                       ^
lobject.c
lopcodes.c
loslib.c
lparser.c
lstate.c
lstring.c
lstrlib.c
In file included from ../../src/host/lua-5.3.0/src/lstrlib.c:22:
../../src/host/lua-5.3.0/src/lstrlib.c: In function 'str_pack':
../../src/host/lua-5.3.0/src/lauxlib.h:151:22: warning: this statement may fall
through [-Wimplicit-fallthrough=]
    151 |     ((B)->b[(B)->n++] = (c))
        |     ~~~~~^~~~~~
../../src/host/lua-5.3.0/src/lstrlib.c:1252:22: note: in expansion of macro
'luaL_addchar'

```

```

1252 |         case Kpadding: luaL_addchar(&b, LUA_PACKPADBYTE); /* go through
*/
|
|         ^~~~~~
../../src/host/luar5.3.0/src/lstrlib.c:1253:7: note: here
1253 |         case Kpaddalign: case Knop:
|         ^~~~
../../src/host/luar5.3.0/src/lstrlib.c: In function 'match':
../../src/host/luar5.3.0/src/lstrlib.c:501:16: warning: this statement may fall
through [-Wimplicit-fallthrough=]
501 |             s++; /* 1 match already done */
|             ~^^
../../src/host/luar5.3.0/src/lstrlib.c:503:13: note: here
503 |             case '*': /* 0 or more repetitions */
|             ^~~~
ltable.c
../../src/host/luar5.3.0/src/ltable.c: In function 'luaH_get':
../../src/host/luar5.3.0/src/ltable.c:545:23: warning: this statement may fall
through [-Wimplicit-fallthrough=]
545 |         case LUA_TNUMFLT: {
|         ^
../../src/host/luar5.3.0/src/ltable.c:551:5: note: here
551 |         default: {
|         ^~~~~~
ltablib.c
ltm.c
lundump.c
lutf8lib.c
lvm.c
lzio.c
os_chdir.c
os_copyfile.c
os_getcwd.c
os_is64bit.c
../../src/host/os_is64bit.c: In function 'os_is64bit':
../../src/host/os_is64bit.c:16:20: warning: cast between incompatible function
types from 'FARPROC' {aka 'long long int (*)()'} to 'BOOL (*)(void *, WINBOOL
*)' {aka 'int (*)(void *, int *)'} [-Wcast-function-type]
16 |     WowFuncSig func =
(WowFuncSig)GetProcAddress(GetModuleHandle(TEXT("kernel32")),
"IsWow64Process");
|     ^
os_isdir.c
os_isfile.c

```

os_match.c
os_mkdir.c
os_pathsearch.c
os_rmdir.c
os_stat.c
os_ticks.c
os_uuid.c
path_getabsolute.c
path_getrelative.c
path_helpers.c
path_isabsolute.c
premake.c
premake_main.c
scripts.c
string_endswith.c
string_hash.c
Linking genie
Converting translation language/Lithuanian/strings.po...
Converting translation language/Macedonian/strings.po...
Converting translation language/Japanese/strings.po...
Converting translation language/French/strings.po...
Converting translation language/Turkish/strings.po...
Converting translation language/Indonesian/strings.po...
Converting translation language/Slovenian/strings.po...
Converting translation language/French_Belgium/strings.po...
Converting translation language/Hungarian/strings.po...
Converting translation language/Serbian_Cyrillic/strings.po...
Converting translation language/Arabic/strings.po...
Converting translation language/Estonian/strings.po...
Converting translation language/Italian/strings.po...
Converting translation language/Romanian/strings.po...
Converting translation language/Polish/strings.po...
Converting translation language/Burmese/strings.po...
Converting translation language/Vietnamese/strings.po...
Converting translation language/Portuguese/strings.po...
Converting translation language/Hebrew/strings.po...
Converting translation language/Korean/strings.po...
Converting translation language/English/strings.po...
Converting translation language/Albanian/strings.po...

Converting translation language/Bosnian/strings.po...
Converting translation language/Thai/strings.po...
Converting translation language/Croatian/strings.po...
Converting translation language/German/strings.po...
Converting translation language/Russian/strings.po...
Converting translation language/Chinese_Simplified/strings.po...
Converting translation language/Belarusian/strings.po...
Converting translation language/Basque/strings.po...
Converting translation language/Norwegian/strings.po...
Converting translation language/Hindi/strings.po...
Converting translation language/Czech/strings.po...
Converting translation language/Bulgarian/strings.po...
Converting translation language/Afrikaans/strings.po...
Converting translation language/Chinese_Traditional/strings.po...
Converting translation language/Dutch/strings.po...
Converting translation language/Catalan/strings.po...
Converting translation language/French_Canada/strings.po...
Converting translation language/Georgian/strings.po...
Converting translation language/Swedish/strings.po...
Converting translation language/Spanish/strings.po...
Converting translation language/Persian/strings.po...
Converting translation language/Slovak/strings.po...
Converting translation language/Greek/strings.po...
Converting translation language/Latvian/strings.po...
Converting translation language/Spanish_Mexico/strings.po...
Converting translation language/Portuguese_Brazil/strings.po...
Converting translation language/Finnish/strings.po...
Converting translation language/Serbian/strings.po...
Converting translation language/Ukrainian/strings.po...
Converting translation language/Danish/strings.po...
Compressing src/mame/layout/j2reelcz.lay...
Compressing src/mame/layout/pcw.lay...
Compressing src/mame/layout/kungfur.lay...
Compressing src/mame/layout/buggychl.lay...
Compressing src/mame/layout/sc4slihd.lay...
Compressing src/mame/layout/cmsport.lay...
Compressing src/mame/layout/m5lotta.lay...
Compressing src/mame/layout/setaroul.lay...
Compressing src/mame/layout/stisub.lay...

Compressing src/mame/layout/fidel_bv3.lay...
Compressing src/mame/layout/darius.lay...
Compressing src/mame/layout/j80rr.lay...
Compressing src/mame/layout/copycatm2.lay...
Compressing src/mame/layout/lbeach.lay...
Compressing src/mame/layout/skill98.lay...
Compressing src/mame/layout/bambball.lay...
Compressing src/mame/layout/c80.lay...
Compressing src/mame/layout/sc4slci.lay...
Compressing src/mame/layout/mephisto_modena.lay...
Compressing src/mame/layout/yukongl5.lay...
Compressing src/mame/layout/cosmicm.lay...
Compressing src/mame/layout/saitek_ssystem4.lay...
Compressing src/mame/layout/sc2ptytm1.lay...
Compressing src/mame/layout/pbmastm.lay...
Compressing src/mame/layout/j2monblt.lay...
Compressing src/mame/layout/jazz.lay...
Compressing src/mame/layout/mephisto_smondial2.lay...
Compressing src/mame/layout/sc4cfcas.lay...
Compressing src/mame/layout/sltblgpo.lay...
Compressing src/mame/layout/m1nudbnke.lay...
Compressing src/mame/layout/sc4ccclasd.lay...
Compressing src/mame/layout/dragrace.lay...
Compressing src/mame/layout/elekscomp.lay...
Compressing src/mame/layout/sharkpye.lay...
Compressing src/mame/layout/amusco.lay...
Compressing src/mame/layout/videopkr.lay...
Compressing src/mame/layout/rz1.lay...
Compressing src/mame/layout/aristmk5_us.lay...
Compressing src/mame/layout/m1fantfbb.lay...
Compressing src/mame/layout/m5jackpt.lay...
Compressing src/mame/layout/m3ratrce.lay...
Compressing src/mame/layout/m1fightb.lay...
Compressing src/mame/layout/m1sudnima.lay...
Compressing src/mame/layout/vk100.lay...
Compressing src/mame/layout/cmasterb.lay...
Compressing src/mame/layout/sc4sparkd.lay...
Compressing src/mame/layout/patinho.lay...
Compressing src/mame/layout/inder.lay...

Compressing src/mame/layout/saitek_ccompan.lay...
Compressing src/mame/layout/mlpinkpc.lay...
Compressing src/mame/layout/ti1250.lay...
Compressing src/mame/layout/mlthatlfc.lay...
Compressing src/mame/layout/m5bbrocl.lay...
Compressing src/mame/layout/sgsafari.lay...
Compressing src/mame/layout/novoplay.lay...
Compressing src/mame/layout/wswan.lay...
Compressing src/mame/layout/l8w.lay...
Compressing src/mame/layout/by17_matahari.lay...
Compressing src/mame/layout/ace.lay...
Compressing src/mame/layout/4004clk.lay...
Compressing src/mame/layout/sc4ftopib.lay...
Compressing src/mame/layout/m3blkhle.lay...
Compressing src/mame/layout/zac_proto.lay...
Compressing src/mame/layout/mpu5.lay...
Compressing src/mame/layout/mlbigdel.lay...
Compressing src/mame/layout/wildfire.lay...
Compressing src/mame/layout/j6drdogh.lay...
Compressing src/mame/layout/vsmile.lay...
Compressing src/mame/layout/blckjack.lay...
Compressing src/mame/layout/syml.lay...
Compressing src/mame/layout/saitek_mark6.lay...
Compressing src/mame/layout/ac1primt.lay...
Compressing src/mame/layout/sc2cpe.lay...
Compressing src/mame/layout/m4addr.lay...
Compressing src/mame/layout/tc4.lay...
Compressing src/mame/layout/m5resfrg.lay...
Compressing src/mame/layout/sc4fever.lay...
Compressing src/mame/layout/milton.lay...
Compressing src/mame/layout/sdk85.lay...
Compressing src/mame/layout/hh_ucom4_test.lay...
Compressing src/mame/layout/qkracer.lay...
Compressing src/mame/layout/m3razdaza.lay...
Compressing src/mame/layout/sc2.lay...
Compressing src/mame/layout/racedrivpan.lay...
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Compressing src/mame/layout/j80supbk.layout...
Compressing src/mame/layout/j2cprndx.layout...
Compressing src/mame/layout/cherryb3.layout...

Compressing src/mame/layout/m5circ1b33.lay...
Compressing src/mame/layout/crazybon.lay...
Compressing src/mame/layout/bfm_sc5.lay...
Compressing src/mame/layout/m5vertgo.lay...
Compressing src/mame/layout/m3supadr.lay...
Compressing src/mame/layout/sc4rhxcsa.lay...
Compressing src/mame/layout/jpmmmps.lay...
Compressing src/mame/layout/llc1.lay...
Compressing src/mame/layout/j2missis.lay...
Compressing src/mame/layout/sc4brksp.lay...
Compressing src/mame/layout/cdi.lay...
Compressing src/mame/layout/j2maxima.lay...
Compressing src/mame/layout/play_2.lay...
Compressing src/mame/layout/m5wthing20.lay...
Compressing src/mame/layout/m5hlsumo.lay...
Compressing src/mame/layout/fidel_acr.lay...
Compressing src/mame/layout/sidewndr.lay...
Compressing src/mame/layout/fidel_cc10c.lay...
Compressing src/mame/layout/notechan.lay...
Compressing src/mame/layout/aci_ggm.lay...
Compressing src/mame/layout/tbreakup.lay...
Compressing src/mame/layout/sc4carrya.lay...
Compressing src/mame/layout/mindset.lay...
Compressing src/mame/layout/m1calypsa.lay...
Compressing src/mame/layout/m3oxo.lay...
Compressing src/mame/layout/m5starcl.lay...
Compressing src/mame/layout/funrlgl.lay...
Compressing src/mame/layout/fidel_playmatic.lay...
Compressing src/mame/layout/tx1.lay...
Compressing src/mame/layout/mwcbaseb.lay...
Compressing src/mame/layout/dlair.lay...
Compressing src/mame/layout/ctstein.lay...
Compressing src/mame/layout/m1omega.lay...
Compressing src/mame/layout/j5movie.lay...
Compressing src/mame/layout/j2goldbr.lay...
Compressing src/mame/layout/cxg_dominator.lay...
Compressing src/mame/layout/eball.lay...
Compressing src/mame/layout/newufo.lay...
Compressing src/mame/layout/jpmimpct.lay...

```
Compressing src/mame/layout/j6slagng.lay...
Compressing src/mame/layout/ufomini.lay...
Compressing src/mame/layout/retrsamb.lay...
Compressing src/mame/layout/sbuk2.lay...
Compressing src/mame/layout/j2bigbnk.lay...
Compressing src/mame/layout/gunchamp.lay...
Compressing src/mame/layout/sc4rttt.lay...
Compressing src/mame/layout/sc4daylft.lay...
Compressing src/mame/layout/melodym.lay...
Compressing src/mame/layout/ecoinf2.lay...
Compressing src/mame/layout/sc2_dmd.lay...
Compressing src/mame/layout/sc4fullt.lay...
Compressing src/mame/layout/baddog.lay...
Compressing src/mame/layout/j2stahed.lay...
Compressing src/mame/layout/superbug.lay...
Compressing src/mame/layout/aci_prodigy.lay...
Compressing src/mame/layout/j2blustr.lay...
Compressing src/mame/layout/cnfball.lay...
Compressing src/mame/layout/sc4sprng.lay...
Compressing src/mame/layout/m5shark.lay...
Compressing src/mame/layout/wamazon.lay...
Compressing src/mame/layout/mephisto_mirage.lay...
Compressing src/mame/layout/mephisto_academy.lay...
Compressing src/mame/layout/cbombers.lay...
Compressing src/mame/layout/j2hitmon.lay...
Compressing src/mame/layout/m3gmine.lay...
Compressing src/mame/layout/chsuper.lay...
Compressing src/mame/layout/einvader.lay...
Compressing src/mame/layout/vd.lay...
Compressing src/mame/layout/h2hbaskb.lay...
Compressing src/mame/layout/j6casclaf.lay...
Converting src/mame/machine/mulcd.ppm...
```

```
makefile:1106: *** MINGW32 is not set. Arrêt.
```

Nouvelle erreur à corriger !!!

```
makefile:1106: *** MINGW32 is not set. Arrêt.
```

Il faut sortir de la console :

exit

Puis éditer le fichier **.bashrc**

Ajouter à a fin du fichier « .bashrc » :

export MINGW32=/mingw32

export MINGW64=/mingw64

Relancer la console :

minggw64.exe

Relancer la compilation :

cd mame

make

⇒ Voici ce qui va s'afficher :

```
Compiling 3rdparty/bx/src/file.cpp...
Compiling 3rdparty/bx/src/filepath.cpp...
Compiling 3rdparty/bx/src/hash.cpp...
Compiling 3rdparty/bx/src/math.cpp...
Compiling 3rdparty/bx/src/mutex.cpp...
Compiling 3rdparty/bx/src/os.cpp...
Compiling 3rdparty/bx/src/process.cpp...
Compiling 3rdparty/bx/src/semaphore.cpp...
Compiling 3rdparty/bx/src/settings.cpp...
Compiling 3rdparty/bx/src/sort.cpp...
Compiling 3rdparty/bx/src/string.cpp...
Compiling 3rdparty/bx/src/thread.cpp...
Compiling 3rdparty/bx/src/timer.cpp...
Compiling 3rdparty/bx/src/url.cpp...
Archiving libbx.a...
Compiling src/mame/drivers/camplynx.cpp...
Archiving libcomputers.a...
Compiling src/mame/drivers/canon_s80.cpp...
Compiling src/mame/drivers/cat.cpp...
Compiling src/mame/drivers/x07.cpp...
Archiving libcanon.a...
Compiling src/mame/drivers/jupace.cpp...
Archiving libcantab.a...
Compiling src/mame/audio/cps3.cpp...
Compiling src/mame/audio/nl_1942.cpp...
Compiling src/mame/drivers/1942.cpp...
Compiling src/mame/drivers/1943.cpp...
Compiling src/mame/drivers/alien.cpp...
Compiling src/mame/drivers/bionicc.cpp...
Compiling src/mame/drivers/blktiger.cpp...
Compiling src/mame/drivers/blktiger_ms.cpp...
Compiling src/mame/drivers/cbasebal.cpp...
Compiling src/mame/drivers/commando.cpp...
Compiling src/mame/drivers/cps1.cpp...
Compiling src/mame/drivers/cps1bl_5205.cpp...
Compiling src/mame/drivers/cps1bl_pic.cpp...
Compiling src/mame/drivers/cps2.cpp...
Compiling src/mame/drivers/cps3.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/drivers/cps3.cpp: In member function 'void cps3_state::init_crypt(u32, u32, int)':
```

```

../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
      |                                     &>(m).respool(), t, c)
      |
^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      |                                     [ _num], (_num))
      |                                     ^~~~~
../../../../../../src/mame/drivers/cps3.cpp:885:13: note: in expansion of macro
'auto_alloc_array'
   885 |     m_user4 = auto_alloc_array(machine(), u8, USER4REGION_LENGTH);
      |               ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
      from ../../../../src/emu/emu.h:30:
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
      |                                     &>(m).respool(), t, c)
      |
^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      |                                     [ _num], (_num))
      |                                     ^~~~~
../../../../../../src/mame/drivers/cps3.cpp:894:13: note: in expansion of macro
'auto_alloc_array'
   894 |     m_user5 = auto_alloc_array(machine(), u8, USER5REGION_LENGTH);
      |               ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
Compiling src/mame/drivers/egghunt.cpp...
Compiling src/mame/drivers/exedexes.cpp...
Compiling src/mame/drivers/fcrash.cpp...
Compiling src/mame/drivers/gng.cpp...
Compiling src/mame/drivers/gunsmoke.cpp...
Compiling src/mame/drivers/higemaru.cpp...
Compiling src/mame/drivers/instantm.cpp...
Compiling src/mame/drivers/kenseim.cpp...
Compiling src/mame/drivers/lastduel.cpp...
Compiling src/mame/drivers/lwings.cpp...
Compiling src/mame/drivers/mitchell.cpp...
In file included from ../../../../src/emu/emucore.h:39,
      from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/drivers/mitchell.cpp: In member function 'void
mitchell_state::configure_banks(void (*)(uint8_t*, uint8_t*, int))':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
      |                                     &>(m).respool(), t, c)
      |
^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      |                                     [ _num], (_num))
      |                                     ^~~~~
../../../../../../src/mame/drivers/mitchell.cpp:2570:17: note: in expansion of macro
'auto_alloc_array'
   2570 |     uint8_t *dst = auto_alloc_array(machine(), uint8_t, size);
      |                   ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~

```

```

Compiling src/mame/drivers/sf.cpp...
Compiling src/mame/drivers/sidearms.cpp...
Compiling src/mame/drivers/sonson.cpp...
Compiling src/mame/drivers/srumbler.cpp...
Compiling src/mame/drivers/supduck.cpp...
Compiling src/mame/drivers/tigeroad.cpp...
Compiling src/mame/drivers/tvcapcom.cpp...
Compiling src/mame/drivers/vulgus.cpp...
Compiling src/mame/machine/cps2crypt.cpp...
Compiling src/mame/machine/kabuki.cpp...
Compiling src/mame/machine/tigeroad.cpp...
Compiling src/mame/video/1942.cpp...
Compiling src/mame/video/1943.cpp...
Compiling src/mame/video/blktiger.cpp...
Compiling src/mame/video/cbasebal.cpp...
Compiling src/mame/video/commando.cpp...
Compiling src/mame/video/cps1.cpp...
Compiling src/mame/video/exedexes.cpp...
Compiling src/mame/video/gng.cpp...
Compiling src/mame/video/gunsmoke.cpp...
Compiling src/mame/video/higemaru.cpp...
Compiling src/mame/video/lastduel.cpp...
Compiling src/mame/video/lwings.cpp...
Compiling src/mame/video/mitchell1.cpp...
Compiling src/mame/video/sidearms.cpp...
Compiling src/mame/video/sonson.cpp...
Compiling src/mame/video/srumbler.cpp...
Compiling src/mame/video/tigeroad.cpp...
Compiling src/mame/video/tigeroad_spr.cpp...
Compiling src/mame/video/vulgus.cpp...
Archiving libcapcom.a...
Compiling src/mame/drivers/casio_rompack.cpp...
Compiling src/mame/drivers/casloopy.cpp...
Compiling src/mame/drivers/cfx9850.cpp...
Compiling src/mame/drivers/cz101.cpp...
Compiling src/mame/drivers/fp1100.cpp...
Compiling src/mame/drivers/fp200.cpp...
Compiling src/mame/drivers/fp6000.cpp...
Compiling src/mame/drivers/ht6000.cpp...
Compiling src/mame/drivers/pb1000.cpp...
Compiling src/mame/drivers/pv1000.cpp...
Compiling src/mame/drivers/pv2000.cpp...
Compiling src/mame/drivers/rz1.cpp...
Compiling src/mame/drivers/sk1.cpp...
Compiling src/mame/machine/fp6000_kbd.cpp...
Archiving libcasio.a...
Compiling src/mame/drivers/c128.cpp...
Compiling src/mame/drivers/c64.cpp...
Compiling src/mame/drivers/c64dtv.cpp...
Compiling src/mame/drivers/c65.cpp...
Compiling src/mame/drivers/c900.cpp...
Compiling src/mame/drivers/cbm2.cpp...
Compiling src/mame/drivers/chessmate.cpp...
Compiling src/mame/drivers/clcd.cpp...
Compiling src/mame/drivers/mps1230.cpp...
Compiling src/mame/drivers/pet.cpp...
Compiling src/mame/drivers/plus4.cpp...
Compiling src/mame/drivers/vic10.cpp...
Compiling src/mame/drivers/vic20.cpp...
Compiling src/mame/machine/cbm_snqk.cpp...
Archiving libcbm.a...
Compiling src/mame/drivers/argo.cpp...
Compiling src/mame/drivers/cm1800.cpp...
Compiling src/mame/drivers/debut.cpp...
Compiling src/mame/drivers/intellect02.cpp...
Compiling src/mame/drivers/lviv.cpp...
Compiling src/mame/drivers/mikro80.cpp...
Compiling src/mame/drivers/okean240.cpp...
Compiling src/mame/drivers/pk8000.cpp...
Compiling src/mame/drivers/pk8020.cpp...
Compiling src/mame/drivers/pyl601.cpp...
Compiling src/mame/drivers/sm1800.cpp...
Compiling src/mame/drivers/sm7238.cpp...
Compiling src/mame/drivers/uknc.cpp...
Compiling src/mame/drivers/unior.cpp...
Compiling src/mame/drivers/ut88.cpp...
Compiling src/mame/drivers/vector06.cpp...

```



```

Compiling src/mame/drivers/vta2000.cpp...
Compiling src/mame/machine/km035.cpp...
Compiling src/mame/machine/lviv.cpp...
Compiling src/mame/machine/mikro80.cpp...
Compiling src/mame/machine/pk8020.cpp...
Compiling src/mame/machine/ut88.cpp...
Compiling src/mame/machine/vector06.cpp...
Compiling src/mame/video/lviv.cpp...
Compiling src/mame/video/pk8020.cpp...
Compiling src/mame/video/vector06.cpp...
Archiving libcccp.a...
Compiling src/mame/drivers/mc1000.cpp...
Archiving libcce.a...
Compiling src/mame/drivers/ccs2810.cpp...
Archiving libccs.a...
Compiling src/mame/drivers/ceres.cpp...
Archiving libceres.a...
Compiling src/mame/drivers/cesclass.cpp...
Compiling src/mame/drivers/galgames.cpp...
Archiving libces.a...
Compiling src/mame/drivers/cking_master.cpp...
Archiving libchessking.a...
Compiling src/mame/drivers/cgc7900.cpp...
Compiling src/mame/video/cgc7900.cpp...
Archiving libchromatics.a...
Compiling src/mame/drivers/eva.cpp...
Archiving libchrysler.a...
Compiling src/mame/audio/cchasm.cpp...
Compiling src/mame/audio/cinemat.cpp...
Compiling src/mame/audio/leland.cpp...
Compiling src/mame/audio/nl_armora.cpp...
Compiling src/mame/audio/nl_barrier.cpp...
Compiling src/mame/audio/nl_boxingb.cpp...
Compiling src/mame/audio/nl_ripoff.cpp...
Compiling src/mame/audio/nl_solarq.cpp...
Compiling src/mame/audio/nl_spacewar.cpp...
Compiling src/mame/audio/nl_speedfrk.cpp...
Compiling src/mame/audio/nl_starcas.cpp...
Compiling src/mame/audio/nl_starhawk.cpp...
Compiling src/mame/audio/nl_sundance.cpp...
Compiling src/mame/audio/nl_tailg.cpp...
Compiling src/mame/audio/nl_warrior.cpp...
Compiling src/mame/drivers/cchasm.cpp...
Compiling src/mame/drivers/cinemat.cpp...
Compiling src/mame/drivers/dlair.cpp...
Compiling src/mame/drivers/dlair2.cpp...
Compiling src/mame/drivers/embargo.cpp...
Compiling src/mame/drivers/jack.cpp...
Compiling src/mame/drivers/leland.cpp...
Compiling src/mame/machine/cchasm.cpp...
Compiling src/mame/machine/leland.cpp...
Compiling src/mame/video/cchasm.cpp...
Compiling src/mame/video/cinemat.cpp...
Compiling src/mame/video/jack.cpp...
Compiling src/mame/video/leland.cpp...
Archiving libcinemat.a...
Compiling src/mame/drivers/cit101.cpp...
Compiling src/mame/drivers/cit101xl.cpp...
Compiling src/mame/drivers/cit220.cpp...
Compiling src/mame/machine/cit101_kbd.cpp...
Compiling src/mame/machine/cit220_kbd.cpp...
Archiving libcitoh.a...
Compiling src/mame/drivers/adam.cpp...
Compiling src/mame/drivers/coleco.cpp...
Compiling src/mame/drivers/wrinkles.cpp...
Compiling src/mame/machine/coleco.cpp...
Archiving libcoleco.a...
Compiling src/mame/drivers/funybubl.cpp...
Compiling src/mame/drivers/galspnbl.cpp...
Compiling src/mame/drivers/zerozone.cpp...
Compiling src/mame/video/funybubl.cpp...
Compiling src/mame/video/galspnbl.cpp...
Compiling src/mame/video/zerozone.cpp...
Archiving libcomad.a...
Compiling src/mame/drivers/pwrview.cpp...
Archiving libcompugraphic.a...
Compiling src/mame/drivers/comx35.cpp...

```

```

Compiling src/mame/video/comx35.cpp...
Archiving libcomx.a...
Compiling src/mame/drivers/concept.cpp...
Compiling src/mame/machine/concept.cpp...
Archiving libconcept.a...
Compiling src/mame/drivers/conic_cchess2.cpp...
Archiving libconic.a...
Compiling src/mame/drivers/prof180x.cpp...
Compiling src/mame/drivers/prof80.cpp...
Compiling src/mame/machine/prof80mmu.cpp...
Archiving libconitec.a...
Compiling src/mame/drivers/conchess.cpp...
Archiving libconsumenta.a...
Compiling src/mame/drivers/cl0.cpp...
Compiling src/mame/drivers/mcb216.cpp...
Archiving libcromemco.a...
Compiling src/mame/drivers/cvs.cpp...
Compiling src/mame/drivers/galaxia.cpp...
Compiling src/mame/drivers/quasar.cpp...
Compiling src/mame/video/cvs.cpp...
Compiling src/mame/video/galaxia.cpp...
Compiling src/mame/video/quasar.cpp...
Archiving libcvs.a...
Compiling src/mame/drivers/cxg_ch2001.cpp...
Compiling src/mame/drivers/cxg_dominator.cpp...
Compiling src/mame/drivers/cxg_scptchess.cpp...
Compiling src/mame/drivers/cxg_sphinx40.cpp...
Archiving libcxg.a...
Compiling src/mame/drivers/cybiko.cpp...
Compiling src/mame/machine/cybiko.cpp...
Archiving libcybiko.a...
Compiling src/mame/audio/dai_snd.cpp...
Compiling src/mame/drivers/dai.cpp...
Compiling src/mame/machine/dai.cpp...
Compiling src/mame/video/dai.cpp...
Archiving libdai.a...
Compiling src/devices/cpu/8x300/8x300dasm.cpp...
Compiling src/devices/cpu/adsp2100/2100dasm.cpp...
Compiling src/devices/cpu/alpha/alphad.cpp...
Compiling src/devices/cpu/alto2/alto2dsm.cpp...
Compiling src/devices/cpu/am29000/am29dasm.cpp...
Compiling src/devices/cpu/amis2000/amis2000d.cpp...
Compiling src/devices/cpu/apexc/apexcdsm.cpp...
Compiling src/devices/cpu/arc/arcdasm.cpp...
Compiling src/devices/cpu/arcompact/arcompactdasm.cpp...
Compiling src/devices/cpu/arcompact/arcompactdasm_dispatch.cpp...
Compiling src/devices/cpu/arcompact/arcompactdasm_ops.cpp...
Compiling src/devices/cpu/arm/armdasm.cpp...
Compiling src/devices/cpu/arm7/arm7dasm.cpp...
Compiling src/devices/cpu/asap/asapdasm.cpp...
Compiling src/devices/cpu/avr8/avr8dasm.cpp...
Compiling src/devices/cpu/bcp/bcpdasm.cpp...
Compiling src/devices/cpu/capricorn/capricorn_dasm.cpp...
Compiling src/devices/cpu/ccpu/ccpudasm.cpp...
Compiling src/devices/cpu/clipper/clipperd.cpp...
Compiling src/devices/cpu/cop400/cop410ds.cpp...
Compiling src/devices/cpu/cop400/cop420ds.cpp...
Compiling src/devices/cpu/cop400/cop424ds.cpp...
Compiling src/devices/cpu/cop400/cop444ds.cpp...
Compiling src/devices/cpu/cosmac/cosdasm.cpp...
Compiling src/devices/cpu/cpl610/1610dasm.cpp...
Compiling src/devices/cpu/cr16b/cr16bdasm.cpp...
Compiling src/devices/cpu/cubeqcpu/cubedasm.cpp...
Compiling src/devices/cpu/diablo/diablo1300dasm.cpp...
Compiling src/devices/cpu/dsp16/dsp16dis.cpp...
Compiling src/devices/cpu/dsp32/dsp32dis.cpp...
Compiling src/devices/cpu/dsp56000/dsp56000d.cpp...
Compiling src/devices/cpu/dsp56156/dsp56dsm.cpp...
Compiling src/devices/cpu/dsp56156/inst.cpp...
Compiling src/devices/cpu/dsp56156/opcode.cpp...
Compiling src/devices/cpu/dsp56156/pmove.cpp...
Compiling src/devices/cpu/dsp56156/tables.cpp...
Compiling src/devices/cpu/dspp/dsppdasm.cpp...
Compiling src/devices/cpu/e0c6200/e0c6200d.cpp...
Compiling src/devices/cpu/el32xs/32xsdasm.cpp...
Compiling src/devices/cpu/es5510/es5510d.cpp...
Compiling src/devices/cpu/esrip/esripdsm.cpp...

```

Compiling src/devices/cpu/f2mc16/f2mc16dasm.cpp...
 Compiling src/devices/cpu/f8/f8dasm.cpp...
 Compiling src/devices/cpu/fr/frdasm.cpp...
 Compiling src/devices/cpu/g65816/g65816ds.cpp...
 Compiling src/devices/cpu/gigatron/gigatrongasm.cpp...
 Compiling src/devices/cpu/h16/h16dasm.cpp...
 Compiling src/devices/cpu/h6280/6280dasm.cpp...
 Generating H8-300 disassembler source file...
 Compiling src/devices/cpu/h8/h8d.cpp...
 Generating H8-300H disassembler source file...
 Compiling src/devices/cpu/h8/h8hd.cpp...
 Generating H8S/2000 disassembler source file...
 Compiling src/devices/cpu/h8/h8s2000d.cpp...
 Generating H8S/2600 disassembler source file...
 Compiling src/devices/cpu/h8/h8s2600d.cpp...
 Compiling src/devices/cpu/h8500/h8500dasm.cpp...
 Compiling src/devices/cpu/hcd62121/hcd62121d.cpp...
 Compiling src/devices/cpu/hd61700/hd61700d.cpp...
 Compiling src/devices/cpu/hmcs40/hmcs40d.cpp...
 Compiling src/devices/cpu/hpc/hpcdasm.cpp...
 Compiling src/devices/cpu/hphybrid/hphybrid_dasm.cpp...
 Compiling src/devices/cpu/i386/i386dasm.cpp...
 Compiling src/devices/cpu/i8008/i8008dasm.cpp...
 Compiling src/devices/cpu/i8085/i8085dasm.cpp...
 Compiling src/devices/cpu/i8089/i8089_dasm.cpp...
 Compiling src/devices/cpu/i860/i860dis.cpp...
 Compiling src/devices/cpu/i960/i960dis.cpp...
 Compiling src/devices/cpu/ie15/ie15dasm.cpp...
 Compiling src/devices/cpu/jaguar/jagdasm.cpp...
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Compiling src/emu/http.cpp...


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Compiling src/emu/tilemap.cpp...
Compiling src/emu/uiinput.cpp...
Compiling src/emu/validity.cpp...
Compiling src/emu/video.cpp...
Compiling src/emu/video/generic.cpp...
Compiling src/emu/video/resnet.cpp...
Compiling src/emu/video/rgbgen.cpp...
Compiling src/emu/video/rgbsse.cpp...
Compiling src/emu/video/rgbvmx.cpp...
Compiling src/emu/xtal.cpp...
Archiving libemu.a...
Compiling src/mame/drivers/emax.cpp...
Compiling src/mame/drivers/emu2.cpp...
Compiling src/mame/drivers/emu3.cpp...
Compiling src/mame/drivers/emu68k.cpp...
Archiving libemusys.a...
Compiling src/mame/drivers/enmirage.cpp...
Compiling src/mame/drivers/esq1.cpp...
Compiling src/mame/drivers/esq5505.cpp...
Compiling src/mame/drivers/esqasr.cpp...
Compiling src/mame/drivers/esqkt.cpp...
Compiling src/mame/drivers/esqmr.cpp...
Compiling src/mame/machine/esqlcd.cpp...
Compiling src/mame/machine/esqpanel.cpp...
Compiling src/mame/machine/esqvfd.cpp...
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Compiling src/mame/drivers/ep64.cpp...
Compiling src/mame/video/nick.cpp...
Archiving libenterprise.a...
Compiling src/mame/drivers/advision.cpp...
Compiling src/mame/drivers/sag.cpp...
Compiling src/mame/machine/advision.cpp...
Compiling src/mame/video/advision.cpp...
Archiving libentex.a...
Compiling src/mame/drivers/eolith.cpp...
Compiling src/mame/drivers/eolith16.cpp...
Compiling src/mame/drivers/ghosteo.cpp...
Compiling src/mame/drivers/vegaeo.cpp...
Compiling src/mame/video/eolith.cpp...
Archiving libeolith.a...
Compiling src/mame/drivers/gamepock.cpp...
Compiling src/mame/drivers/scv.cpp...

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Compiling src/mame/machine/gamepock.cpp...
Archiving libepoch.a...
Compiling src/mame/drivers/hx20.cpp...
Compiling src/mame/drivers/px4.cpp...
Compiling src/mame/drivers/px8.cpp...
Compiling src/mame/drivers/qx10.cpp...
Compiling src/mame/machine/qx10kbd.cpp...
Archiving libepson.a...
Compiling src/mame/drivers/e9161.cpp...
Compiling src/mame/drivers/eispc.cpp...
Compiling src/mame/machine/eispc_kb.cpp...
Archiving libericsson.a...
Compiling src/mame/drivers/aquarium.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../src/mame/drivers/aquarium.cpp: In member function 'void
aquarium state::expand_gfx(int, int)':
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
     &>(m).respool(), t, c)
     |
     |
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
     |
     |
../../../../src/mame/drivers/aquarium.cpp:338:16: note: in expansion of macro
'auto_alloc_array'
   338 |  u8 *srcdata = auto_alloc_array(machine(), u8, gfx_l->elements() * gfx_l->width() *
     |
     |
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
     &respool() { return m_respool; }
     |
     |
~~~~~
Compiling src/mame/drivers/d9final.cpp...
Compiling src/mame/drivers/dblcrown.cpp...
Compiling src/mame/drivers/gcpinbal.cpp...
Compiling src/mame/drivers/lastbank.cpp...
Compiling src/mame/drivers/witch.cpp...
Compiling src/mame/video/aquarium.cpp...
Compiling src/mame/video/excellent_spr.cpp...
Compiling src/mame/video/gcpinbal.cpp...
Archiving libexcelent.a...
Compiling src/mame/audio/circus.cpp...
Compiling src/mame/audio/exidy.cpp...
Compiling src/mame/audio/exidy440.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../src/mame/audio/exidy440.cpp: In member function 'virtual void
exidy440 sound device::device_start()':
../../../../src/emu/machine.h:72:106: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   72 | #define auto_alloc_array_clear(m, t, c)
     pool_alloc_array_clear(static_cast<running_machine &>(m).respool(), t, c)
     |
     |
../../../../src/emu/emualloc.h:32:54: note: in definition of macro 'pool_alloc_array_clear'
   32 | #define pool_alloc_array_clear(_pool, _type, _num)
     (_pool).add_array(make_unique_clear<_type []>(_num).release(), (_num))
     |
     |
../../../../src/mame/audio/exidy440.cpp:151:39: note: in expansion of macro
'auto_alloc_array_clear'
   151 |  m_sound_cache = (sound_cache_entry *)auto_alloc_array_clear(machine(), uint8_t,
     |
     |
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
     &respool() { return m_respool; }
     |
     |
~~~~~
Compiling src/mame/audio/nl_carpolo.cpp...
Compiling src/mame/audio/nl_fireone.cpp...

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Compiling src/mame/audio/nl_starfire.cpp...
Compiling src/mame/audio/targ.cpp...
Compiling src/mame/drivers/carpolo.cpp...
Compiling src/mame/drivers/circus.cpp...
Compiling src/mame/drivers/exidy.cpp...
Compiling src/mame/drivers/exidy440.cpp...
Compiling src/mame/drivers/exidyttl.cpp...
Compiling src/mame/drivers/maxaflex.cpp...
Compiling src/mame/drivers/sorcerer.cpp...
Compiling src/mame/drivers/starfire.cpp...
Compiling src/mame/drivers/vertigo.cpp...
Compiling src/mame/drivers/victory.cpp...
Compiling src/mame/machine/atari400.cpp...
Compiling src/mame/machine/carpolo.cpp...
Compiling src/mame/machine/micropolis.cpp...
Compiling src/mame/machine/sorcerer.cpp...
Compiling src/mame/machine/vertigo.cpp...
Compiling src/mame/video/antic.cpp...
Compiling src/mame/video/atari400.cpp...
Compiling src/mame/video/carpolo.cpp...
Compiling src/mame/video/circus.cpp...
Compiling src/mame/video/exidy.cpp...
Compiling src/mame/video/exidy440.cpp...
Compiling src/mame/video/gtia.cpp...
Compiling src/mame/video/starfire.cpp...
Compiling src/mame/video/vertigo.cpp...
Compiling src/mame/video/victory.cpp...
Archiving libexidy.a...
Compiling src/mame/drivers/exorterm.cpp...
Archiving libexorterm.a...
Compiling 3rdparty/expat/lib/xmlparse.c...
Compiling 3rdparty/expat/lib/xmlrole.c...
Compiling 3rdparty/expat/lib/xmltok.c...
Archiving libexpat.a...
Compiling src/mame/drivers/crospang.cpp...
Compiling src/mame/drivers/f-32.cpp...
Compiling src/mame/drivers/silvmil.cpp...
Compiling src/mame/video/crospang.cpp...
Archiving libf32.a...
Compiling src/mame/audio/channelf.cpp...
Compiling src/mame/drivers/channelf.cpp...
Compiling src/mame/video/channelf.cpp...
Archiving libfairch.a...
Compiling src/mame/audio/cmi01a.cpp...
Compiling src/mame/drivers/cmi.cpp...
Compiling src/mame/machine/cmi_ankbd.cpp...
Compiling src/mame/machine/cmi_mkbd.cpp...
Archiving libfairlight.a...
Compiling src/mame/drivers/fidel_as12.cpp...
Compiling src/mame/drivers/fidel_card.cpp...
Compiling src/mame/drivers/fidel_cc1.cpp...
Compiling src/mame/drivers/fidel_cc10.cpp...
Compiling src/mame/drivers/fidel_cc7.cpp...
Compiling src/mame/drivers/fidel_chesster.cpp...
Compiling src/mame/drivers/fidel_csc.cpp...
Compiling src/mame/drivers/fidel_dames.cpp...
Compiling src/mame/drivers/fidel_desdis.cpp...
Compiling src/mame/drivers/fidel_eag68k.cpp...
Compiling src/mame/drivers/fidel_elite.cpp...
Compiling src/mame/drivers/fidel_excel.cpp...
Compiling src/mame/drivers/fidel_msc.cpp...
Compiling src/mame/drivers/fidel_phantom.cpp...
Compiling src/mame/drivers/fidel_sc12.cpp...
Compiling src/mame/drivers/fidel_sc6.cpp...
Compiling src/mame/drivers/fidel_sc8.cpp...
Compiling src/mame/drivers/fidel_sc9.cpp...
Compiling src/mame/drivers/fidel_vcc.cpp...
Compiling src/mame/drivers/fidel_vsc.cpp...
Compiling src/mame/machine/fidel_clockdiv.cpp...
Archiving libfidelity.a...
Compiling 3rdparty/libflac/src/libFLAC/bitmath.c...
Compiling 3rdparty/libflac/src/libFLAC/bitreader.c...
Compiling 3rdparty/libflac/src/libFLAC/bitwriter.c...
Compiling 3rdparty/libflac/src/libFLAC/cpu.c...
Compiling 3rdparty/libflac/src/libFLAC/crc.c...
Compiling 3rdparty/libflac/src/libFLAC/fixed.c...
Compiling 3rdparty/libflac/src/libFLAC/float.c...

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Compiling 3rdparty/libflac/src/libFLAC/format.c...
Compiling 3rdparty/libflac/src/libFLAC/lpc.c...
Compiling 3rdparty/libflac/src/libFLAC/md5.c...
Compiling 3rdparty/libflac/src/libFLAC/memory.c...
Compiling 3rdparty/libflac/src/libFLAC/stream_decoder.c...
Compiling 3rdparty/libflac/src/libFLAC/stream_encoder.c...
Compiling 3rdparty/libflac/src/libFLAC/stream_encoder_framing.c...
Compiling 3rdparty/libflac/src/libFLAC/window.c...
Archiving libflac.a...
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Compiling src/mame/drivers/fccpu30.cpp...
Compiling src/mame/drivers/force68k.cpp...
Compiling src/mame/drivers/miniforce.cpp...
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Compiling src/lib/formats/2d_dsk.cpp...
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Compiling src/lib/formats/a5105_dsk.cpp...
Compiling src/lib/formats/abc800_dsk.cpp...
Compiling src/lib/formats/abcfcd2_dsk.cpp...
Compiling src/lib/formats/ace_tap.cpp...
Compiling src/lib/formats/acorn_dsk.cpp...
Compiling src/lib/formats/adam_cas.cpp...
Compiling src/lib/formats/adam_dsk.cpp...
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Compiling src/lib/formats/apridisk.cpp...
Compiling src/lib/formats/aquarius_cas.cpp...
Compiling src/lib/formats/asst128_dsk.cpp...
Compiling src/lib/formats/atari_dsk.cpp...
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Compiling src/lib/formats/basicdsk.cpp...
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Compiling src/lib/formats/bw2_dsk.cpp...
Compiling src/lib/formats/c3040_dsk.cpp...
Compiling src/lib/formats/c4040_dsk.cpp...
Compiling src/lib/formats/c8280_dsk.cpp...
Compiling src/lib/formats/camplynx_cas.cpp...
Compiling src/lib/formats/camplynx_dsk.cpp...
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Compiling src/lib/formats/cbm_tap.cpp...
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Compiling src/lib/formats/cd90_640_dsk.cpp...
Compiling src/lib/formats/cgen_cas.cpp...
Compiling src/lib/formats/cgenie_dsk.cpp...
Compiling src/lib/formats/coco_cas.cpp...
Compiling src/lib/formats/comx35_dsk.cpp...
Compiling src/lib/formats/concept_dsk.cpp...
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Compiling src/lib/formats/cpis_dsk.cpp...
Compiling src/lib/formats/cqm_dsk.cpp...
Compiling src/lib/formats/csw_cas.cpp...
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Compiling src/lib/formats/d71_dsk.cpp...
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Compiling src/lib/formats/d82_dsk.cpp...
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Compiling src/lib/formats/rx50_dsk.cpp...

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Compiling src/frontend/mame/media_ident.cpp...
Compiling src/frontend/mame/pluginopts.cpp...
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Compiling src/frontend/mame/ui/auditmenu.cpp...
Compiling src/frontend/mame/ui/barcode.cpp...
Compiling src/frontend/mame/ui/cheatopt.cpp...
Compiling src/frontend/mame/ui/confswitch.cpp...
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Compiling src/frontend/mame/ui/info_pty.cpp...
Compiling src/frontend/mame/ui/inifile.cpp...
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Compiling src/frontend/mame/ui/mainmenu.cpp...

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Compiling src/frontend/mame/ui/pluginopt.cpp...
Compiling src/frontend/mame/ui/selector.cpp...
Compiling src/frontend/mame/ui/selgame.cpp...
Compiling src/frontend/mame/ui/selmenu.cpp...
Compiling src/frontend/mame/ui/selsoft.cpp...
Compiling src/frontend/mame/ui/simpleselgame.cpp...
Compiling src/frontend/mame/ui/sliders.cpp...
Compiling src/frontend/mame/ui/slotopt.cpp...
Compiling src/frontend/mame/ui/sndmenu.cpp...
Compiling src/frontend/mame/ui/state.cpp...
Compiling src/frontend/mame/ui/submenu.cpp...
Compiling src/frontend/mame/ui/swlist.cpp...
Compiling src/frontend/mame/ui/tapectrl.cpp...
Compiling src/frontend/mame/ui/text.cpp...
Compiling src/frontend/mame/ui/ui.cpp...
Compiling src/frontend/mame/ui/utils.cpp...
Compiling src/frontend/mame/ui/videoopt.cpp...
Compiling src/frontend/mame/ui/viewgfx.cpp...
Compiling src/frontend/mame/ui/widgets.cpp...
Archiving libfrontend.a...
Compiling src/mame/drivers/fm7.cpp...
Compiling src/mame/drivers/fmtowns.cpp...
Compiling src/mame/machine/fm_scsi.cpp...
Compiling src/mame/machine/fmt_icmem.cpp...
Compiling src/mame/video/fm7.cpp...
Compiling src/mame/video/fmtowns.cpp...
Archiving libfujitsu.a...
Compiling src/mame/drivers/supracan.cpp...
Archiving libfuntech.a...
Compiling src/mame/drivers/4roses.cpp...
Compiling src/mame/drivers/funworld.cpp...
Compiling src/mame/drivers/snookr10.cpp...
Compiling src/mame/video/funworld.cpp...
Compiling src/mame/video/snookr10.cpp...
Archiving libfunworld.a...
Compiling src/mame/drivers/fuukifg2.cpp...
Compiling src/mame/drivers/fuukifg3.cpp...
Compiling src/mame/video/fuukifg.cpp...
Compiling src/mame/video/fuukifg2.cpp...
Compiling src/mame/video/fuukifg3.cpp...
Archiving libfuuki.a...
Compiling src/mame/drivers/atvtrack.cpp...
Compiling src/mame/drivers/bigkarnk_ms.cpp...
Compiling src/mame/drivers/blmbycar.cpp...
Compiling src/mame/drivers/gaelco.cpp...
Compiling src/mame/drivers/gaelco2.cpp...
Compiling src/mame/drivers/gaelco3d.cpp...
Compiling src/mame/drivers/gaelcof3.cpp...
Compiling src/mame/drivers/gaelcopc.cpp...
Compiling src/mame/drivers/glass.cpp...
Compiling src/mame/drivers/goldart.cpp...
Compiling src/mame/drivers/mastboy.cpp...
Compiling src/mame/drivers/mastboyo.cpp...
Compiling src/mame/drivers/rollext.cpp...
Compiling src/mame/drivers/splash.cpp...
Compiling src/mame/drivers/splash_ms.cpp...
Compiling src/mame/drivers/targeth.cpp...
Compiling src/mame/drivers/thoop2.cpp...
Compiling src/mame/drivers/wrally.cpp...
Compiling src/mame/drivers/xorworld.cpp...
Compiling src/mame/machine/gaelco2.cpp...
Compiling src/mame/machine/gaelco3d.cpp...
Compiling src/mame/machine/gaelco_ds5002fp.cpp...
Compiling src/mame/machine/gaelcrpt.cpp...
Compiling src/mame/machine/wrally.cpp...
Compiling src/mame/video/blmbycar.cpp...
Compiling src/mame/video/gaelco.cpp...
Compiling src/mame/video/gaelco2.cpp...
Compiling src/mame/video/gaelco3d.cpp...
Compiling src/mame/video/gaelco_wrally_sprites.cpp...
Compiling src/mame/video/glass.cpp...
Compiling src/mame/video/splash.cpp...
Compiling src/mame/video/targeth.cpp...

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Compiling src/mame/video/thoop2.cpp...
Compiling src/mame/video/wrally.cpp...
Compiling src/mame/video/xorworld.cpp...
Archiving libgaelco.a...
Compiling src/mame/drivers/galaxy.cpp...
Compiling src/mame/machine/galaxy.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../src/mame/machine/galaxy.cpp: In member function 'image_init_result
galaxy_state::snapshot_cb(device_image_interface&, const char*, int)':
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      |
^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      |
../../../../src/mame/machine/galaxy.cpp:126:20: note: in expansion of macro
'auto_alloc_array'
   126 |     snapshot_data = auto_alloc_array(machine(), uint8_t, snapshot_size);
      |
      |
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      |
^~~~~~
Compiling src/mame/video/galaxy.cpp...
Archiving libgalaxy.a...
Compiling src/mame/drivers/gp2x.cpp...
Compiling src/mame/drivers/gp32.cpp...
Archiving libgamepark.a...
Compiling src/mame/drivers/enigma2.cpp...
Compiling src/mame/drivers/gameplan.cpp...
Compiling src/mame/drivers/toratora.cpp...
Compiling src/mame/video/gameplan.cpp...
Archiving libgameplan.a...
Compiling src/mame/audio/gotya.cpp...
Compiling src/mame/drivers/gatron.cpp...
Compiling src/mame/drivers/gotya.cpp...
Compiling src/mame/drivers/sbugger.cpp...
Compiling src/mame/video/gatron.cpp...
Compiling src/mame/video/gotya.cpp...
Compiling src/mame/video/sbugger.cpp...
Archiving libgametron.a...
Compiling src/mame/drivers/hh_pic16.cpp...
Archiving libgi.a...
Compiling src/mame/audio/gottlieb.cpp...
Compiling src/mame/drivers/extern.cpp...
Compiling src/mame/drivers/gottlieb.cpp...
Compiling src/mame/video/extern.cpp...
Compiling src/mame/video/gottlieb.cpp...
Archiving libgottlieb.a...
Compiling src/mame/drivers/gridcomp.cpp...
Compiling src/mame/machine/gridkeyb.cpp...
Archiving libgridcomp.a...
Compiling src/mame/drivers/newbrain.cpp...
Compiling src/mame/video/newbrain.cpp...
Archiving libgrundy.a...
Compiling src/mame/drivers/h01x.cpp...
Compiling src/mame/video/h01x.cpp...
Archiving libh01x.a...
Compiling src/mame/drivers/gmaster.cpp...
Archiving libhartung.a...
Compiling src/mame/drivers/et3400.cpp...
Compiling src/mame/drivers/h19.cpp...
Compiling src/mame/drivers/h8.cpp...
Compiling src/mame/drivers/h89.cpp...
Archiving libheathkit.a...
Compiling src/mame/drivers/hec2hrp.cpp...
Compiling src/mame/machine/hec2hrp.cpp...
Compiling src/mame/video/hec2hrp.cpp...
Archiving libhec2hrp.a...
Compiling src/mame/drivers/mephisto_academy.cpp...

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Compiling src/mame/drivers/mephisto_berlin.cpp...
Compiling src/mame/drivers/mephisto_brikett.cpp...
Compiling src/mame/drivers/mephisto_glasgow.cpp...
Compiling src/mame/drivers/mephisto_mm1.cpp...
Compiling src/mame/drivers/mephisto_mm2.cpp...
Compiling src/mame/drivers/mephisto_modena.cpp...
Compiling src/mame/drivers/mephisto_modular.cpp...
Compiling src/mame/drivers/mephisto_modular_tm.cpp...
Compiling src/mame/drivers/mephisto_mondial.cpp...
Compiling src/mame/drivers/mephisto_mondial68k.cpp...
Compiling src/mame/drivers/mephisto_montec.cpp...
Compiling src/mame/drivers/mephisto_polgar.cpp...
Compiling src/mame/machine/mmboard.cpp...
Compiling src/mame/video/mmdisplay2.cpp...
Archiving libhegener.a...
Compiling src/mame/drivers/hk68v10.cpp...
Archiving libheurikon.a...
Compiling src/mame/drivers/bl6.cpp...
Compiling src/mame/drivers/bmjr.cpp...
Compiling src/mame/drivers/bml3.cpp...
Compiling src/mame/drivers/hh_hmcs40.cpp...
Archiving libhitachi.a...
Compiling src/mame/drivers/4004clk.cpp...
Compiling src/mame/drivers/68ksbc.cpp...
Compiling src/mame/drivers/dcebridge.cpp...
Compiling src/mame/drivers/homez80.cpp...
Compiling src/mame/drivers/lft_chiptune.cpp...
Compiling src/mame/drivers/lft_craft.cpp...
Compiling src/mame/drivers/lft_phasor.cpp...
Compiling src/mame/drivers/p112.cpp...
Compiling src/mame/drivers/phunsi.cpp...
Compiling src/mame/drivers/pimps.cpp...
Compiling src/mame/drivers/ravens.cpp...
Compiling src/mame/drivers/sbc6510.cpp...
Compiling src/mame/drivers/sitcom.cpp...
Compiling src/mame/drivers/slcl.cpp...
Compiling src/mame/drivers/slcla.cpp...
Compiling src/mame/drivers/test_t400.cpp...
Compiling src/mame/drivers/uzebox.cpp...
Compiling src/mame/drivers/z80dev.cpp...
Compiling src/mame/drivers/zexall.cpp...
Archiving libhomebrew.a...
Compiling src/mame/drivers/braiplus.cpp...
Compiling src/mame/drivers/homelab.cpp...
Archiving libhomelab.a...
Compiling src/mame/drivers/hp16500.cpp...
Compiling src/mame/drivers/hp2100.cpp...
Compiling src/mame/drivers/hp2620.cpp...
Compiling src/mame/drivers/hp2640.cpp...
Compiling src/mame/drivers/hp48.cpp...
Compiling src/mame/drivers/hp49gp.cpp...
Compiling src/mame/drivers/hp64k.cpp...
Compiling src/mame/drivers/hp700.cpp...
Compiling src/mame/drivers/hp80.cpp...
Compiling src/mame/drivers/hp951x.cpp...
Compiling src/mame/drivers/hp9825.cpp...
Compiling src/mame/drivers/hp9845.cpp...
Compiling src/mame/drivers/hp9k.cpp...
Compiling src/mame/drivers/hp9k_3xx.cpp...
Compiling src/mame/drivers/hp_ipc.cpp...
Compiling src/mame/machine/hp48.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/machine/hp48.cpp: In member function 'void
hp48_state::base_machine_start (hp48_models)':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
      |                                         &>(m).respool(), t, c)
      |
^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      |                                                    ^~~~~
../../../../../../src/mame/machine/hp48.cpp:937:17: note: in expansion of macro
'auto_alloc_array'

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937 | uint8_t *ram = auto_alloc_array(machine(), uint8_t, 2 * ram_size);
      | ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      | ^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
      | from ../../../../src/emu/emu.h:30:
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
71 | #define auto_alloc_array(m, t, c) pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      | ^~~~~~
^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
31 | #define pool_alloc_array(_pool, _type, _num) (_pool).add_array(new _type
[_num], (_num))
      | ^~~~~~
../../../../src/mame/machine/hp48.cpp:945:10: note: in expansion of macro
'auto_alloc_array'
945 | m_rom = auto_alloc_array(machine(), uint8_t, 2 * rom_size);
      | ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      | ^~~~~~
Compiling src/mame/machine/hp48_port.cpp...
Compiling src/mame/machine/hp80_optrom.cpp...
Compiling src/mame/machine/hp9825_optrom.cpp...
Compiling src/mame/machine/hp9825_tape.cpp...
Compiling src/mame/machine/hp9845_optrom.cpp...
Compiling src/mame/machine/hp9845_printer.cpp...
Compiling src/mame/machine/hp98x5_io_sys.cpp...
Compiling src/mame/video/hp48.cpp...
Archiving libhp.a...
Compiling src/mame/drivers/hawk.cpp...
Compiling src/mame/drivers/hunter16.cpp...
Compiling src/mame/drivers/hunter2.cpp...
Compiling src/mame/drivers/husky.cpp...
Archiving libhusky.a...
Compiling src/mame/drivers/ibm6580.cpp...
Compiling src/mame/machine/ibm6580_fdc.cpp...
Compiling src/mame/machine/ibm6580_kbd.cpp...
Archiving libibm6580.a...
Compiling src/mame/drivers/calchase.cpp...
Compiling src/mame/drivers/fruitpc.cpp...
Compiling src/mame/drivers/igspc.cpp...
Compiling src/mame/drivers/pangofun.cpp...
Compiling src/mame/drivers/pcat_dyn.cpp...
Compiling src/mame/drivers/pcat_nit.cpp...
Compiling src/mame/drivers/pcxt.cpp...
Compiling src/mame/drivers/quakeat.cpp...
Compiling src/mame/drivers/queen.cpp...
Archiving libibmpc.a...
Compiling src/mame/drivers/ie15.cpp...
Archiving libie15.a...
Compiling src/mame/drivers/cabaret.cpp...
Compiling src/mame/drivers/dunhuang.cpp...
Compiling src/mame/drivers/funtech.cpp...
Compiling src/mame/drivers/goldstar.cpp...
Compiling src/mame/drivers/igs009.cpp...
Compiling src/mame/drivers/igs011.cpp...
Compiling src/mame/drivers/igs017.cpp...
Compiling src/mame/drivers/igs_fear.cpp...
Compiling src/mame/drivers/igs_m027.cpp...
Compiling src/mame/drivers/igs_m036.cpp...
Compiling src/mame/drivers/igspoker.cpp...
Compiling src/mame/drivers/igblock.cpp...
Compiling src/mame/drivers/jackie.cpp...
Compiling src/mame/drivers/lordgun.cpp...
Compiling src/mame/drivers/pgm.cpp...
Compiling src/mame/drivers/pgm2.cpp...
Compiling src/mame/drivers/pgm3.cpp...

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Compiling src/mame/drivers/spoker.cpp...
Compiling src/mame/machine/igs022.cpp...
Compiling src/mame/machine/igs025.cpp...
Compiling src/mame/machine/igs028.cpp...
Compiling src/mame/machine/igs036crypt.cpp...
Compiling src/mame/machine/pgm2_memcard.cpp...
Compiling src/mame/machine/pgm2crypt.cpp...
Compiling src/mame/machine/pgmprot_igs025_igs012.cpp...
Compiling src/mame/machine/pgmprot_igs025_igs022.cpp...
Compiling src/mame/machine/pgmprot_igs025_igs028.cpp...
Compiling src/mame/machine/pgmprot_igs027a_type1.cpp...
Compiling src/mame/machine/pgmprot_igs027a_type2.cpp...
Compiling src/mame/machine/pgmprot_igs027a_type3.cpp...
Compiling src/mame/machine/pgmprot_orlegend.cpp...
Compiling src/mame/video/goldstar.cpp...
Compiling src/mame/video/igs017_igs031.cpp...
Compiling src/mame/video/iqblock.cpp...
Compiling src/mame/video/lordgun.cpp...
Compiling src/mame/video/pgm.cpp...
Compiling src/mame/video/pgm2.cpp...
Archiving libigs.a...
Compiling src/mame/drivers/drw80pkr.cpp...
Compiling src/mame/drivers/gkigt.cpp...
Compiling src/mame/drivers/peplus.cpp...
Compiling src/mame/drivers/splus.cpp...
Compiling src/mame/drivers/videopkr.cpp...
Archiving libigt.a...
Compiling src/mame/drivers/tim011.cpp...
Compiling src/mame/drivers/tim100.cpp...
Archiving libimp.a...
Compiling src/mame/drivers/informer_207_100.cpp...
Compiling src/mame/drivers/informer_207_376.cpp...
Compiling src/mame/drivers/informer_213.cpp...
Compiling src/mame/machine/informer_207_376_kbd.cpp...
Compiling src/mame/machine/informer_213_kbd.cpp...
Archiving libinformer.a...
Compiling src/mame/drivers/basic52.cpp...
Compiling src/mame/drivers/imds2.cpp...
Compiling src/mame/drivers/intellec4.cpp...
Compiling src/mame/drivers/ipc.cpp...
Compiling src/mame/drivers/ipds.cpp...
Compiling src/mame/drivers/isbc.cpp...
Compiling src/mame/drivers/isbc8010.cpp...
Compiling src/mame/drivers/isbc8030.cpp...
Compiling src/mame/drivers/rex6000.cpp...
Compiling src/mame/drivers/sdk51.cpp...
Compiling src/mame/drivers/sdk80.cpp...
Compiling src/mame/drivers/sdk85.cpp...
Compiling src/mame/drivers/sdk86.cpp...
Compiling src/mame/machine/imds2ioc.cpp...
Compiling src/mame/machine/imm6_76.cpp...
Compiling src/mame/machine/isbc_208.cpp...
Compiling src/mame/machine/isbc_215g.cpp...
Archiving libintel.a...
Compiling src/mame/drivers/interpro.cpp...
Compiling src/mame/machine/cammu.cpp...
Compiling src/mame/machine/interpro_arbga.cpp...
Compiling src/mame/machine/interpro_ioga.cpp...
Compiling src/mame/machine/interpro_mcga.cpp...
Compiling src/mame/machine/interpro_sga.cpp...
Archiving libinterpro.a...
Compiling src/mame/audio/vc4000.cpp...
Compiling src/mame/drivers/vc4000.cpp...
Compiling src/mame/video/vc4000.cpp...
Archiving libinterton.a...
Compiling src/mame/drivers/intv.cpp...
Compiling src/mame/machine/intv.cpp...
Compiling src/mame/video/intv.cpp...
Compiling src/mame/video/stic.cpp...
Archiving libintv.a...
Compiling src/mame/audio/irem.cpp...
Compiling src/mame/audio/m72.cpp...
Compiling src/mame/audio/nl_kidniki.cpp...
Compiling src/mame/audio/redalert.cpp...
Compiling src/mame/drivers/ml0.cpp...
Compiling src/mame/drivers/ml07.cpp...
Compiling src/mame/drivers/ml4.cpp...

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Compiling src/mame/drivers/m52.cpp...
 Compiling src/mame/drivers/m57.cpp...
 Compiling src/mame/drivers/m58.cpp...
 Compiling src/mame/drivers/m62.cpp...
 Compiling src/mame/drivers/m63.cpp...
 Compiling src/mame/drivers/m72.cpp...
 Compiling src/mame/drivers/m90.cpp...
 Compiling src/mame/drivers/m92.cpp...
 Compiling src/mame/drivers/olibochu.cpp...
 Compiling src/mame/drivers/redalert.cpp...
 Compiling src/mame/drivers/shisen.cpp...
 Compiling src/mame/drivers/spartanxtec.cpp...
 Compiling src/mame/drivers/travrusa.cpp...
 Compiling src/mame/drivers/vigilant.cpp...
 Compiling src/mame/machine/irem_cpu.cpp...
 Compiling src/mame/video/m10.cpp...
 Compiling src/mame/video/m107.cpp...
 Compiling src/mame/video/m52.cpp...
 Compiling src/mame/video/m57.cpp...
 Compiling src/mame/video/m58.cpp...
 Compiling src/mame/video/m62.cpp...
 Compiling src/mame/video/m72.cpp...
 Compiling src/mame/video/m90.cpp...
 Compiling src/mame/video/m92.cpp...
 Compiling src/mame/video/redalert.cpp...
 Compiling src/mame/video/shisen.cpp...
 Compiling src/mame/video/travrusa.cpp...
 Compiling src/mame/video/vigilant.cpp...
 Archiving libirem.a...
 Compiling src/mame/drivers/compucolor.cpp...
 Archiving libisc.a...
 Compiling src/mame/drivers/capbowl.cpp...
 Compiling src/mame/drivers/iteagle.cpp...
 Compiling src/mame/drivers/itech32.cpp...
 Compiling src/mame/drivers/itech8.cpp...
 Compiling src/mame/machine/iteagle_fpga.cpp...
 Compiling src/mame/machine/itech8.cpp...
 Compiling src/mame/video/capbowl.cpp...
 Compiling src/mame/video/itech32.cpp...
 Compiling src/mame/video/itech8.cpp...
 Archiving libitech.a...
 Compiling src/mame/drivers/aeroboto.cpp...
 Compiling src/mame/drivers/argus.cpp...
 Compiling src/mame/drivers/bestleag.cpp...
 Compiling src/mame/drivers/bigstrkb.cpp...
 Compiling src/mame/drivers/blueprnt.cpp...
 Compiling src/mame/drivers/bnstars.cpp...
 Compiling src/mame/drivers/cisheat.cpp...
 Compiling src/mame/drivers/citycon.cpp...
 Compiling src/mame/drivers/ddayjlc.cpp...
 Compiling src/mame/drivers/exerion.cpp...
 Compiling src/mame/drivers/fcombat.cpp...
 Compiling src/mame/drivers/ginganin.cpp...
 Compiling src/mame/drivers/homerun.cpp...
 Compiling src/mame/drivers/megasys1.cpp...
 Compiling src/mame/drivers/momoko.cpp...
 Compiling src/mame/drivers/ms32.cpp...
 Compiling src/mame/drivers/psychic5.cpp...
 Compiling src/mame/drivers/pturn.cpp...
 Compiling src/mame/drivers/skyfox.cpp...
 Compiling src/mame/drivers/tetrisp2.cpp...
 Compiling src/mame/machine/jalcrpt.cpp...
 Compiling src/mame/video/aeroboto.cpp...
 Compiling src/mame/video/argus.cpp...
 Compiling src/mame/video/bigstrkb.cpp...
 Compiling src/mame/video/blueprnt.cpp...
 Compiling src/mame/video/cisheat.cpp...
 Compiling src/mame/video/citycon.cpp...
 Compiling src/mame/video/exerion.cpp...
 Compiling src/mame/video/fcombat.cpp...
 Compiling src/mame/video/ginganin.cpp...
 Compiling src/mame/video/homerun.cpp...
 Compiling src/mame/video/jalblend.cpp...
 Compiling src/mame/video/megasys1.cpp...
 Compiling src/mame/video/momoko.cpp...
 Compiling src/mame/video/ms1_tmap.cpp...
 Compiling src/mame/video/ms32.cpp...

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Compiling src/mame/video/ms32_sprite.cpp...
Compiling src/mame/video/psychic5.cpp...
Compiling src/mame/video/skyfox.cpp...
Compiling src/mame/video/tetrisp2.cpp...
Archiving libjaleco.a...
Compiling src/mame/drivers/jazz.cpp...
Compiling src/mame/machine/mct_adr.cpp...
Archiving libjazz.a...
Compiling 3rdparty/libjpeg/jaricom.c...
Compiling 3rdparty/libjpeg/jcapimin.c...
Compiling 3rdparty/libjpeg/jcapistd.c...
Compiling 3rdparty/libjpeg/jcarith.c...
Compiling 3rdparty/libjpeg/jccoefct.c...
Compiling 3rdparty/libjpeg/jccolor.c...
Compiling 3rdparty/libjpeg/jcdctmgr.c...
Compiling 3rdparty/libjpeg/jchuff.c...
Compiling 3rdparty/libjpeg/jcinit.c...
Compiling 3rdparty/libjpeg/jcmainct.c...
Compiling 3rdparty/libjpeg/jcmarker.c...
Compiling 3rdparty/libjpeg/jcmaster.c...
Compiling 3rdparty/libjpeg/jcomapi.c...
Compiling 3rdparty/libjpeg/jcparam.c...
Compiling 3rdparty/libjpeg/jcprepct.c...
Compiling 3rdparty/libjpeg/jcsample.c...
Compiling 3rdparty/libjpeg/jctrans.c...
Compiling 3rdparty/libjpeg/jdapimin.c...
Compiling 3rdparty/libjpeg/jdapistd.c...
Compiling 3rdparty/libjpeg/jdarith.c...
Compiling 3rdparty/libjpeg/jdatadst.c...
Compiling 3rdparty/libjpeg/jdatasrc.c...
Compiling 3rdparty/libjpeg/jdcoefct.c...
Compiling 3rdparty/libjpeg/jdcolor.c...
Compiling 3rdparty/libjpeg/jdctmgr.c...
Compiling 3rdparty/libjpeg/jdhuff.c...
Compiling 3rdparty/libjpeg/jdinput.c...
Compiling 3rdparty/libjpeg/jdmainct.c...
Compiling 3rdparty/libjpeg/jdmarker.c...
Compiling 3rdparty/libjpeg/jdmaster.c...
Compiling 3rdparty/libjpeg/jdmerge.c...
Compiling 3rdparty/libjpeg/jdpostct.c...
Compiling 3rdparty/libjpeg/jdsample.c...
Compiling 3rdparty/libjpeg/jdtrans.c...
Compiling 3rdparty/libjpeg/jerror.c...
Compiling 3rdparty/libjpeg/jfdctflt.c...
Compiling 3rdparty/libjpeg/jfdctfst.c...
Compiling 3rdparty/libjpeg/jfdctint.c...
Compiling 3rdparty/libjpeg/jidctflt.c...
Compiling 3rdparty/libjpeg/jidctfst.c...
Compiling 3rdparty/libjpeg/jidctint.c...
Compiling 3rdparty/libjpeg/jmemansi.c...
Compiling 3rdparty/libjpeg/jmemmgr.c...
Compiling 3rdparty/libjpeg/jquant1.c...
Compiling 3rdparty/libjpeg/jquant2.c...
Compiling 3rdparty/libjpeg/jutils.c...
Archiving libjpeg.a...
Compiling src/mame/drivers/guab.cpp...
Compiling src/mame/drivers/jpmimpct.cpp...
Compiling src/mame/drivers/jpmimpctsw.cpp...
Compiling src/mame/drivers/jpmps.cpp...
Compiling src/mame/drivers/jpms80.cpp...
Compiling src/mame/drivers/jpmsru.cpp...
Compiling src/mame/drivers/jpmsys5.cpp...
Compiling src/mame/drivers/jpmsys5sw.cpp...
Compiling src/mame/drivers/jpmsys7.cpp...
Compiling src/mame/drivers/pluto5.cpp...
Compiling src/mame/video/jpmimpct.cpp...
Archiving libjpm.a...
Compiling src/mame/drivers/airbustr.cpp...
Compiling src/mame/drivers/djboy.cpp...
Compiling src/mame/drivers/expro02.cpp...
Compiling src/mame/drivers/galpani2.cpp...
Compiling src/mame/drivers/galpani3.cpp...
Compiling src/mame/drivers/galpanic.cpp...
Compiling src/mame/drivers/galpanic_ms.cpp...
Compiling src/mame/drivers/hvyunit.cpp...
Compiling src/mame/drivers/jchan.cpp...
Compiling src/mame/drivers/kanekol6.cpp...

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Compiling src/mame/drivers/sandscrp.cpp...
Compiling src/mame/drivers/suprnova.cpp...
Compiling src/mame/machine/kaneko_calc3.cpp...
Compiling src/mame/machine/kaneko_hit.cpp...
Compiling src/mame/machine/kaneko_toybox.cpp...
Compiling src/mame/video/airbustr.cpp...
Compiling src/mame/video/djboy.cpp...
Compiling src/mame/video/galpani2.cpp...
Compiling src/mame/video/galpanic.cpp...
Compiling src/mame/video/kaneko16.cpp...
Compiling src/mame/video/kaneko_grap2.cpp...
Compiling src/mame/video/kaneko_spr.cpp...
Compiling src/mame/video/kaneko_tmap.cpp...
Compiling src/mame/video/sknsspr.cpp...
Compiling src/mame/video/suprnova.cpp...
Archiving libkaneko.a...
Compiling src/mame/drivers/kawai_k1.cpp...
Compiling src/mame/drivers/kawai_k4.cpp...
Compiling src/mame/drivers/kawai_k5.cpp...
Compiling src/mame/drivers/kawai_ksp10.cpp...
Compiling src/mame/drivers/kawai_r100.cpp...
Compiling src/mame/drivers/kawai_sx240.cpp...
Archiving libkawai.a...
Compiling src/mame/drivers/kaypro.cpp...
Compiling src/mame/machine/kay_kbd.cpp...
Compiling src/mame/machine/kaypro.cpp...
Compiling src/mame/video/kaypro.cpp...
Archiving libkaypro.a...
Compiling src/mame/drivers/jongkyo.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/drivers/jongkyo.cpp: In member function 'void
jongkyo_state::init_jongkyo()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
      |                                         &>(m).respool(), t, c)
      |
      |
^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      |                                         [ _num], (_num))
      |
      |
../../../../../../src/mame/drivers/jongkyo.cpp:575:21: note: in expansion of macro
'auto_alloc_array'
   575 | uint8_t *opcodes = auto_alloc_array(machine(), uint8_t, 0x6c00+0x400*8);
      |                   ~~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      |
~~~~~
Compiling src/mame/drivers/koikoi.cpp...
Compiling src/mame/drivers/mrjong.cpp...
Compiling src/mame/video/mrjong.cpp...
Archiving libkiwako.a...
Compiling src/mame/drivers/pasogo.cpp...
Archiving libkoei.a...
Compiling src/mame/audio/hyprolyb.cpp...
Compiling src/mame/audio/scramble.cpp...
Compiling src/mame/audio/timeplt.cpp...
Compiling src/mame/audio/trackfld.cpp...
Compiling src/mame/drivers/88games.cpp...
Compiling src/mame/drivers/ajax.cpp...
Compiling src/mame/drivers/aliens.cpp...
Compiling src/mame/drivers/asterix.cpp...
Compiling src/mame/drivers/battlnts.cpp...
Compiling src/mame/drivers/bishi.cpp...
Compiling src/mame/drivers/bladestl.cpp...
Compiling src/mame/drivers/blockhl.cpp...
Compiling src/mame/drivers/bottom9.cpp...
Compiling src/mame/drivers/chqflag.cpp...
Compiling src/mame/drivers/circusc.cpp...
Compiling src/mame/drivers/cobra.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:

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../../../../../../src/mame/drivers/cobra.cpp: In member function 'void
cobra_state::init_cobra()':
../../../../../../src/emu/machine.h:69:94: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   69 | #define auto_alloc(m, t)                pool_alloc(static_cast<running_machine
      |                                     &>(m).respool(), t)
      |
^
../../../../../../src/emu/emualloc.h:29:54: note: in definition of macro 'pool_alloc'
   29 | #define pool_alloc(_pool, _type)        (_pool).add_object(new _type)
      |                                     ^~~~~
../../../../../../src/mame/drivers/cobra.cpp:3335:18: note: in expansion of macro 'auto_alloc'
 3335 | m_gfxfifo_in = auto_alloc(machine(),
      |               ^~~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   69 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
In file included from ../../../../../../src/emu/emucore.h:39,
from ../../../../../../src/emu/emu.h:30:
../../../../../../src/emu/machine.h:69:94: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   69 | #define auto_alloc(m, t)                pool_alloc(static_cast<running_machine
      |                                     &>(m).respool(), t)
      |
^
../../../../../../src/emu/emualloc.h:29:54: note: in definition of macro 'pool_alloc'
   29 | #define pool_alloc(_pool, _type)        (_pool).add_object(new _type)
      |                                     ^~~~~
../../../../../../src/mame/drivers/cobra.cpp:3343:18: note: in expansion of macro 'auto_alloc'
 3343 | m_gfxfifo_out = auto_alloc(machine(),
      |                ^~~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   69 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
In file included from ../../../../../../src/emu/emucore.h:39,
from ../../../../../../src/emu/emu.h:30:
../../../../../../src/emu/machine.h:69:94: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   69 | #define auto_alloc(m, t)                pool_alloc(static_cast<running_machine
      |                                     &>(m).respool(), t)
      |
^
../../../../../../src/emu/emualloc.h:29:54: note: in definition of macro 'pool_alloc'
   29 | #define pool_alloc(_pool, _type)        (_pool).add_object(new _type)
      |                                     ^~~~~
../../../../../../src/mame/drivers/cobra.cpp:3351:18: note: in expansion of macro 'auto_alloc'
 3351 | m_m2sfifo      = auto_alloc(machine(),
      |                   ^~~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   69 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
In file included from ../../../../../../src/emu/emucore.h:39,
from ../../../../../../src/emu/emu.h:30:
../../../../../../src/emu/machine.h:69:94: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   69 | #define auto_alloc(m, t)                pool_alloc(static_cast<running_machine
      |                                     &>(m).respool(), t)
      |
^
../../../../../../src/emu/emualloc.h:29:54: note: in definition of macro 'pool_alloc'
   29 | #define pool_alloc(_pool, _type)        (_pool).add_object(new _type)
      |                                     ^~~~~
../../../../../../src/mame/drivers/cobra.cpp:3359:18: note: in expansion of macro 'auto_alloc'
 3359 | m_s2mfifo      = auto_alloc(machine(),
      |                   ^~~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here

```

```
169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
|
^~~~~~
Compiling src/mame/drivers/combatsc.cpp...
Compiling src/mame/drivers/contra.cpp...
Compiling src/mame/drivers/crimfght.cpp...
Compiling src/mame/drivers/dbz.cpp...
Compiling src/mame/drivers/ddribble.cpp...
Compiling src/mame/drivers/divebomb.cpp...
Compiling src/mame/drivers/djmain.cpp...
Compiling src/mame/drivers/fastfred.cpp...
Compiling src/mame/drivers/fastlane.cpp...
Compiling src/mame/drivers/finalizr.cpp...
Compiling src/mame/drivers/firebeat.cpp...
Compiling src/mame/drivers/flkatck.cpp...
Compiling src/mame/drivers/gberet.cpp...
Compiling src/mame/drivers/gicclassic.cpp...
Compiling src/mame/drivers/gijoe.cpp...
Compiling src/mame/drivers/gradius3.cpp...
Compiling src/mame/drivers/gticlub.cpp...
Compiling src/mame/drivers/gyruss.cpp...
Compiling src/mame/drivers/hcastle.cpp...
Compiling src/mame/drivers/hexion.cpp...
Compiling src/mame/drivers/hornet.cpp...
Compiling src/mame/drivers/hyperspt.cpp...
Compiling src/mame/drivers/ironhors.cpp...
Compiling src/mame/drivers/jackal.cpp...
Compiling src/mame/drivers/jailbrek.cpp...
Compiling src/mame/drivers/junofrst.cpp...
Compiling src/mame/drivers/konamigq.cpp...
Compiling src/mame/drivers/konamigs.cpp...
Compiling src/mame/drivers/konamigv.cpp...
Compiling src/mame/drivers/konamigx.cpp...
Compiling src/mame/drivers/konamim2.cpp...
Compiling src/mame/drivers/konblands.cpp...
Compiling src/mame/drivers/konendev.cpp...
Compiling src/mame/drivers/konmedal.cpp...
Compiling src/mame/drivers/konmedal68k.cpp...
Compiling src/mame/drivers/kontest.cpp...
Compiling src/mame/drivers/kpython.cpp...
Compiling src/mame/drivers/ksys573.cpp...
Compiling src/mame/drivers/labyrunr.cpp...
Compiling src/mame/drivers/lethal.cpp...
Compiling src/mame/drivers/mainevt.cpp...
Compiling src/mame/drivers/megazone.cpp...
Compiling src/mame/drivers/mikie.cpp...
Compiling src/mame/drivers/mogura.cpp...
Compiling src/mame/drivers/moo.cpp...
Compiling src/mame/drivers/mystwarr.cpp...
Compiling src/mame/drivers/nemesis.cpp...
Compiling src/mame/drivers/nwk-tr.cpp...
Compiling src/mame/drivers/otomedius.cpp...
Compiling src/mame/drivers/overdriv.cpp...
Compiling src/mame/drivers/pandoras.cpp...
Compiling src/mame/drivers/parodius.cpp...
Compiling src/mame/drivers/pingpong.cpp...
Compiling src/mame/drivers/piratesh.cpp...
Compiling src/mame/drivers/plygonet.cpp...
Compiling src/mame/drivers/pooyan.cpp...
Compiling src/mame/drivers/qdrmfgp.cpp...
Compiling src/mame/drivers/quickpick5.cpp...
Compiling src/mame/drivers/rockrage.cpp...
Compiling src/mame/drivers/rocnrope.cpp...
Compiling src/mame/drivers/rollerg.cpp...
Compiling src/mame/drivers/rungun.cpp...
Compiling src/mame/drivers/sbasketb.cpp...
Compiling src/mame/drivers/scobra.cpp...
Compiling src/mame/drivers/scotrshst.cpp...
Compiling src/mame/drivers/scramble.cpp...
Compiling src/mame/drivers/shaolins.cpp...
Compiling src/mame/drivers/simpsons.cpp...
Compiling src/mame/drivers/spy.cpp...
Compiling src/mame/drivers/surpratk.cpp...
Compiling src/mame/drivers/tasman.cpp...
Compiling src/mame/drivers/tgtpanic.cpp...
Compiling src/mame/drivers/thunderx.cpp...
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Compiling src/mame/drivers/timeplt.cpp...
Compiling src/mame/drivers/tmnt.cpp...
Compiling src/mame/drivers/tp84.cpp...
Compiling src/mame/drivers/trackfld.cpp...
Compiling src/mame/drivers/tutankhm.cpp...
Compiling src/mame/drivers/twin16.cpp...
Compiling src/mame/drivers/twinkle.cpp...
Compiling src/mame/drivers/ultraman.cpp...
Compiling src/mame/drivers/ultrspst.cpp...
Compiling src/mame/drivers/vendetta.cpp...
Compiling src/mame/drivers/viper.cpp...
Compiling src/mame/drivers/wecleman.cpp...
Compiling src/mame/drivers/xexex.cpp...
Compiling src/mame/drivers/xmen.cpp...
Compiling src/mame/drivers/yiear.cpp...
Compiling src/mame/drivers/zr107.cpp...
Compiling src/mame/machine/3dom2.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../src/mame/machine/3dom2.cpp: In member function 'virtual void
m2_bda_device::device_start()':
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
      |                                     &>(m).respool(), t, c)
      |                                     ^
^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      |                                     [ _num], (_num))
      |                                     ^~~~~~
../../../../src/mame/machine/3dom2.cpp:244:10: note: in expansion of macro
'auto_alloc_array'
   244 |   m_ram = auto_alloc_array(machine(), uint32_t, ram_size / sizeof(uint32_t));
      |           ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
Compiling src/mame/machine/ajax.cpp...
Compiling src/mame/machine/k573cass.cpp...
Compiling src/mame/machine/k573dio.cpp...
Compiling src/mame/machine/k573fpga.cpp...
Compiling src/mame/machine/k573mcr.cpp...
Compiling src/mame/machine/k573msu.cpp...
Compiling src/mame/machine/k573npu.cpp...
Compiling src/mame/machine/konamil.cpp...
Compiling src/mame/machine/konamigx.cpp...
Compiling src/mame/machine/konppc.cpp...
Compiling src/mame/machine/midikbd.cpp...
Compiling src/mame/machine/scramble.cpp...
Compiling src/mame/machine/simpsons.cpp...
Compiling src/mame/machine/zs01.cpp...
Compiling src/mame/video/3dom2_te.cpp...
Compiling src/mame/video/88games.cpp...
Compiling src/mame/video/ajax.cpp...
Compiling src/mame/video/aliens.cpp...
Compiling src/mame/video/asterix.cpp...
Compiling src/mame/video/battlnts.cpp...
Compiling src/mame/video/bishi.cpp...
Compiling src/mame/video/bladestl.cpp...
Compiling src/mame/video/bottom9.cpp...
Compiling src/mame/video/chqflag.cpp...
Compiling src/mame/video/circusc.cpp...
Compiling src/mame/video/combatasc.cpp...
Compiling src/mame/video/contra.cpp...
Compiling src/mame/video/crimfght.cpp...
Compiling src/mame/video/dbz.cpp...
Compiling src/mame/video/ddribble.cpp...
Compiling src/mame/video/divebomb.cpp...
Compiling src/mame/video/djmain.cpp...
Compiling src/mame/video/fastfred.cpp...
Compiling src/mame/video/fastlane.cpp...
Compiling src/mame/video/finalizr.cpp...
Compiling src/mame/video/flkatck.cpp...

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Compiling src/mame/video/gberet.cpp...
Compiling src/mame/video/gijoe.cpp...
Compiling src/mame/video/gradius3.cpp...
Compiling src/mame/video/gyruss.cpp...
Compiling src/mame/video/hcastle.cpp...
Compiling src/mame/video/hexion.cpp...
Compiling src/mame/video/hyperspt.cpp...
Compiling src/mame/video/ironhors.cpp...
Compiling src/mame/video/jackal.cpp...
Compiling src/mame/video/jailbrek.cpp...
Compiling src/mame/video/k001005.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/video/k001005.cpp: In member function 'virtual void
k001005_device::device_start()':
../../../../../../src/emu/machine.h:69:94: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   69 | #define auto_alloc(m, t)                pool_alloc(static_cast<running_machine
      | &>(m).respool(), t)
      | ^
../../../../../../src/emu/emualloc.h:29:54: note: in definition of macro 'pool_alloc'
   29 | #define pool_alloc(_pool, _type)        (_pool).add_object(new _type)
      |                                         ^~~~~
../../../../../../src/mame/video/k001005.cpp:1208:15: note: in expansion of macro 'auto_alloc'
 1208 | m_renderer = auto_alloc(machine(), k001005_renderer(*this, screen(), m_k001006));
      |               ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      | ^~~~~~
Compiling src/mame/video/k001006.cpp...
Compiling src/mame/video/k001604.cpp...
Compiling src/mame/video/k007121.cpp...
Compiling src/mame/video/k007342.cpp...
Compiling src/mame/video/k007420.cpp...
Compiling src/mame/video/k037122.cpp...
Compiling src/mame/video/k051316.cpp...
Compiling src/mame/video/k051733.cpp...
Compiling src/mame/video/k051960.cpp...
Compiling src/mame/video/k052109.cpp...
Compiling src/mame/video/k053244_k053245.cpp...
Compiling src/mame/video/k053246_k053247_k055673.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/video/k053246_k053247_k055673.cpp: In member function 'virtual void
k055673_device::device_start()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)       pool_alloc_array(static_cast<running_machine
      | &>(m).respool(), t, c)
      | ^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num) (_pool).add_array(new _type
      | [ _num], (_num))
      |                                         ^~~~~
../../../../../../src/mame/video/k053246_k053247_k055673.cpp:978:22: note: in expansion of macro
'auto_alloc_array'
   978 | alt_k055673_rom = auto_alloc_array(machine(), u16, size4 * 5 / 2);
      |                   ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      | ^~~~~~
Compiling src/mame/video/k053250.cpp...
Compiling src/mame/video/k053250_ps.cpp...
Compiling src/mame/video/k053251.cpp...
Compiling src/mame/video/k053936.cpp...
Compiling src/mame/video/k054000.cpp...
Compiling src/mame/video/k054156_k054157_k056832.cpp...
Compiling src/mame/video/k054338.cpp...
Compiling src/mame/video/k055555.cpp...

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Compiling src/mame/video/k057714.cpp...
Compiling src/mame/video/konami_helper.cpp...
Compiling src/mame/video/konamigx.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/video/konamigx.cpp: In member function 'void
konamigx_state::konamigx_mixer_init(screen_device&, int)':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      |
^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      |
../../../../../../src/mame/video/konamigx.cpp:289:15: note: in expansion of macro
'auto_alloc_array'
   289 |   gx_objpool = auto_alloc_array(machine(), struct GX_OBJ, GX_MAX_OBJECTS);
      |
      |
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      |
^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      |
^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      |
../../../../../../src/mame/video/konamigx.cpp:295:20: note: in expansion of macro
'auto_alloc_array'
   295 |   m_gx_spriteram = auto_alloc_array(machine(), uint16_t, 0x2000/2);
      |
      |
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      |
^~~~~~
Compiling src/mame/video/labyrunk.cpp...
Compiling src/mame/video/lethal.cpp...
Compiling src/mame/video/mainevt.cpp...
Compiling src/mame/video/megazone.cpp...
Compiling src/mame/video/mikie.cpp...
Compiling src/mame/video/moo.cpp...
Compiling src/mame/video/mystwarr.cpp...
Compiling src/mame/video/nemesis.cpp...
Compiling src/mame/video/overdriv.cpp...
Compiling src/mame/video/pandoras.cpp...
Compiling src/mame/video/parodius.cpp...
Compiling src/mame/video/pingpong.cpp...
Compiling src/mame/video/polygonet.cpp...
Compiling src/mame/video/pooyan.cpp...
Compiling src/mame/video/qdrmfpg.cpp...
Compiling src/mame/video/rockrage.cpp...
Compiling src/mame/video/rocnrope.cpp...
Compiling src/mame/video/rollerg.cpp...
Compiling src/mame/video/rungun.cpp...
Compiling src/mame/video/sbasketb.cpp...
Compiling src/mame/video/scotrsh.cpp...
Compiling src/mame/video/shaolins.cpp...
Compiling src/mame/video/simpsons.cpp...
Compiling src/mame/video/spy.cpp...
Compiling src/mame/video/surpratk.cpp...
Compiling src/mame/video/thunderx.cpp...
Compiling src/mame/video/timeplt.cpp...
Compiling src/mame/video/tmnt.cpp...

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Compiling src/mame/video/tp84.cpp...
Compiling src/mame/video/trackfld.cpp...
Compiling src/mame/video/tutankhm.cpp...
Compiling src/mame/video/twin16.cpp...
Compiling src/mame/video/ultraman.cpp...
Compiling src/mame/video/vendetta.cpp...
Compiling src/mame/video/weclaman.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/video/weclaman.cpp: In member function 'void
weclaman_state::video_start_weclaman()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      ^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      ^~~~~~
../../../../../../src/mame/video/weclaman.cpp:859:11: note: in expansion of macro
'auto_alloc_array'
   859 |   buffer = auto_alloc_array(machine(), uint8_t, 0x12c00); // working buffer for
sprite operations
      |
      ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      ^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/video/weclaman.cpp: In member function 'void
weclaman_state::video_start_hotchase()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      ^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      ^~~~~~
../../../../../../src/mame/video/weclaman.cpp:959:11: note: in expansion of macro
'auto_alloc_array'
   959 |   buffer = auto_alloc_array(machine(), uint8_t, 0x400); // reserve 1k for sprite list
      |
      ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      ^~~~~~
Compiling src/mame/video/xexex.cpp...
Compiling src/mame/video/xmen.cpp...
Compiling src/mame/video/yiear.cpp...
Archiving libkonami.a...
Compiling src/mame/drivers/kdt6.cpp...
Archiving libkontron.a...
Compiling src/mame/drivers/korgds8.cpp...
Compiling src/mame/drivers/korgdss1.cpp...
Compiling src/mame/drivers/korgdvp1.cpp...
Compiling src/mame/drivers/korgdw8k.cpp...
Compiling src/mame/drivers/korgml.cpp...
Compiling src/mame/drivers/korgws.cpp...
Compiling src/mame/drivers/korgz3.cpp...
Compiling src/mame/drivers/microkorg.cpp...
Compiling src/mame/drivers/poly800.cpp...
Compiling src/mame/drivers/polysix.cpp...
Archiving libkorg.a...
Compiling src/mame/drivers/krz2000.cpp...
Archiving libkurzweil.a...
Compiling src/mame/drivers/kyocera.cpp...
Compiling src/mame/video/kyocera.cpp...

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Archiving libkyocera.a...
Compiling src/mame/drivers/leapfrog_iquest.cpp...
Compiling src/mame/drivers/leapfrog_leappad.cpp...
Compiling src/mame/drivers/leapster.cpp...
Archiving libleapfrog.a...
Compiling 3rdparty/linenoise/linenoise.c...
Compiling 3rdparty/linenoise/utf8.c...
Archiving liblinenoise.a...
Compiling src/mame/drivers/adm11.cpp...
Compiling src/mame/drivers/adm23.cpp...
Compiling src/mame/drivers/adm31.cpp...
Compiling src/mame/drivers/adm36.cpp...
Archiving liblsi.a...
Compiling 3rdparty/lua/src/lapi.c...
Compiling 3rdparty/lua/src/lauxlib.c...
Compiling 3rdparty/lua/src/lbaselib.c...
Compiling 3rdparty/lua/src/lbitlib.c...
Compiling 3rdparty/lua/src/lcode.c...
Compiling 3rdparty/lua/src/lorolib.c...
Compiling 3rdparty/lua/src/lctype.c...
Compiling 3rdparty/lua/src/ldblib.c...
Compiling 3rdparty/lua/src/ldebug.c...
Compiling 3rdparty/lua/src/ldo.c...
Compiling 3rdparty/lua/src/ldump.c...
Compiling 3rdparty/lua/src/lfunc.c...
Compiling 3rdparty/lua/src/lgc.c...
Compiling 3rdparty/lua/src/limits.c...
Compiling 3rdparty/lua/src/liolib.c...
Compiling 3rdparty/lua/src/llex.c...
Compiling 3rdparty/lua/src/lmathlib.c...
Compiling 3rdparty/lua/src/lmem.c...
Compiling 3rdparty/lua/src/loadlib.c...
Compiling 3rdparty/lua/src/lobject.c...
Compiling 3rdparty/lua/src/lopcodes.c...
Compiling 3rdparty/lua/src/loslib.c...
Compiling 3rdparty/lua/src/lparser.c...
Compiling 3rdparty/lua/src/lstate.c...
Compiling 3rdparty/lua/src/lstring.c...
Compiling 3rdparty/lua/src/lstrlib.c...
Compiling 3rdparty/lua/src/ltable.c...
Compiling 3rdparty/lua/src/ltablib.c...
Compiling 3rdparty/lua/src/ltm.c...
Compiling 3rdparty/lua/src/lundump.c...
Compiling 3rdparty/lua/src/lutf8lib.c...
Compiling 3rdparty/lua/src/lvm.c...
Compiling 3rdparty/lua/src/lzio.c...
Archiving liblua.a...
Compiling 3rdparty/lsqLite3/lsqLite3.c...
Compiling 3rdparty/linenoise/linenoise.c...
Compiling 3rdparty/luazlib/luazlib.c...
Compiling 3rdparty/luafilesystem/src/lfs.c...
Archiving liblualibs.a...
Compiling src/mame/drivers/abc1600.cpp...
Compiling src/mame/drivers/abc80.cpp...
Compiling src/mame/drivers/abc80x.cpp...
Compiling src/mame/machine/abc1600mac.cpp...
Compiling src/mame/machine/abc80kb.cpp...
Compiling src/mame/video/abc1600.cpp...
Compiling src/mame/video/abc80.cpp...
Compiling src/mame/video/abc800.cpp...
Compiling src/mame/video/abc802.cpp...
Compiling src/mame/video/abc806.cpp...
Archiving libluxor.a...
Compiling src/mame/drivers/odyssey2.cpp...
Archiving libmagnavox.a...
Compiling src/mame/drivers/replicator.cpp...
Archiving libmakerbot.a...
Compiling src/mame/drivers/barata.cpp...
Archiving libmatic.a...
Compiling src/mame/drivers/maygay1b.cpp...
Compiling src/mame/drivers/maygay1bsw.cpp...
Compiling src/mame/drivers/maygayep.cpp...
Compiling src/mame/drivers/maygayew.cpp...
Compiling src/mame/drivers/maygayv1.cpp...
Compiling src/mame/drivers/mmm.cpp...
Archiving libmaygay.a...
Compiling src/mame/audio/meadows.cpp...

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Compiling src/mame/drivers/lazercmd.cpp...
Compiling src/mame/drivers/meadows.cpp...
Compiling src/mame/drivers/meadwttl.cpp...
Compiling src/mame/drivers/warpsped.cpp...
Compiling src/mame/video/lazercmd.cpp...
Compiling src/mame/video/meadows.cpp...
Archiving libmeadows.a...
Compiling src/mame/drivers/merit.cpp...
Compiling src/mame/drivers/merit3xx.cpp...
Compiling src/mame/drivers/meritm.cpp...
Compiling src/mame/drivers/merits.cpp...
Compiling src/mame/drivers/meritsdx.cpp...
Compiling src/mame/drivers/mgames.cpp...
Compiling src/mame/drivers/mtouchxl.cpp...
Compiling src/mame/drivers/pubtimed.cpp...
Archiving libmerit.a...
Compiling src/mame/drivers/hyprduel.cpp...
Compiling src/mame/drivers/metro.cpp...
Compiling src/mame/drivers/rabbit.cpp...
Compiling src/mame/drivers/tmmjprd.cpp...
Compiling src/mame/video/metro.cpp...
Archiving libmetro.a...
Compiling src/mame/drivers/24cdjuke.cpp...
Compiling src/mame/drivers/wallc.cpp...
Compiling src/mame/drivers/wink.cpp...
Archiving libmidcoin.a...
Compiling src/mame/audio/8080bw.cpp...
Compiling src/mame/audio/m79amb.cpp...
Compiling src/mame/audio/mw8080bw.cpp...
Compiling src/mame/audio/nl_280zzzap.cpp...
Compiling src/mame/audio/nl_gunfight.cpp...
Compiling src/mame/drivers/8080bw.cpp...
Compiling src/mame/drivers/m79amb.cpp...
Compiling src/mame/drivers/mw8080bw.cpp...
Compiling src/mame/drivers/rotaryf.cpp...
Compiling src/mame/machine/mw8080bw.cpp...
Compiling src/mame/video/8080bw.cpp...
Compiling src/mame/video/mw8080bw.cpp...
Archiving libmidw8080.a...
Compiling src/mame/audio/csd.cpp...
Compiling src/mame/audio/gridlee.cpp...
Compiling src/mame/audio/midway.cpp...
Compiling src/mame/audio/nl_sspeedr.cpp...
Compiling src/mame/audio/sente6vb.cpp...
Compiling src/mame/audio/williams.cpp...
Compiling src/mame/drivers/astrocde.cpp...
Compiling src/mame/drivers/atlantis.cpp...
Compiling src/mame/drivers/balsente.cpp...
Compiling src/mame/drivers/gridlee.cpp...
Compiling src/mame/drivers/mcr.cpp...
Compiling src/mame/drivers/mcr3.cpp...
Compiling src/mame/drivers/mcr68.cpp...
Compiling src/mame/drivers/midqslvr.cpp...
Compiling src/mame/drivers/midtunit.cpp...
Compiling src/mame/drivers/midvunit.cpp...
Compiling src/mame/drivers/midwunit.cpp...
Compiling src/mame/drivers/midxunit.cpp...
Compiling src/mame/drivers/midyunit.cpp...
Compiling src/mame/drivers/midzeus.cpp...
Compiling src/mame/drivers/mw18w.cpp...
Compiling src/mame/drivers/mwsub.cpp...
Compiling src/mame/drivers/omegrace.cpp...
Compiling src/mame/drivers/pinball2k.cpp...
Compiling src/mame/drivers/seattle.cpp...
Compiling src/mame/drivers/spyhuntertec.cpp...
Compiling src/mame/drivers/sspeedr.cpp...
Compiling src/mame/drivers/starrider.cpp...
Compiling src/mame/drivers/tmaster.cpp...
Compiling src/mame/drivers/vegas.cpp...
Compiling src/mame/drivers/williams.cpp...
Compiling src/mame/drivers/wmg.cpp...
Compiling src/mame/drivers/zwackery.cpp...
Compiling src/mame/machine/balsente.cpp...
Compiling src/mame/machine/mcr.cpp...
Compiling src/mame/machine/mcr68.cpp...
Compiling src/mame/machine/midtunit.cpp...
In file included from ../../../../src/emu/emucore.h:39,

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        from ../../../../src/emu/emu.h:30:
../../../../src/mame/machine/midtunit.cpp: In member function 'void
midtunit_state::init_jdreddp()':
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      |
^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      |
^~~~~
../../../../src/mame/machine/midtunit.cpp:449:35: note: in expansion of macro
'auto_alloc_array'
   449 | membank("adpcm:bank9")->set_base(auto_alloc_array(machine(), uint8_t, 0x80));
      |
      |
^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")] resource_pool
&respool() { return m_respool; }
      |
      |
^~~~~~
Compiling src/mame/machine/midwayic.cpp...
Compiling src/mame/machine/midwunit.cpp...
Compiling src/mame/machine/midxunit.cpp...
Compiling src/mame/machine/midyunit.cpp...
Compiling src/mame/machine/williams.cpp...
Compiling src/mame/video/astrocde.cpp...
Compiling src/mame/video/balsente.cpp...
Compiling src/mame/video/gridlee.cpp...
Compiling src/mame/video/mcr.cpp...
Compiling src/mame/video/mcr3.cpp...
Compiling src/mame/video/mcr68.cpp...
Compiling src/mame/video/midtunit.cpp...
Compiling src/mame/video/midvunit.cpp...
Compiling src/mame/video/midyunit.cpp...
Compiling src/mame/video/midzeus.cpp...
Compiling src/mame/video/sspeedr.cpp...
Compiling src/mame/video/williams.cpp...
Archiving libmidway.a...
Compiling src/mame/audio/galaga.cpp...
Compiling src/mame/audio/galaxian.cpp...
Compiling src/mame/audio/geebee.cpp...
Compiling src/mame/audio/namco52.cpp...
Compiling src/mame/audio/namco54.cpp...
Compiling src/mame/audio/nl_konami.cpp...
Compiling src/mame/audio/nl_tankbatt.cpp...
Compiling src/mame/audio/polepos.cpp...
Compiling src/mame/audio/turrett.cpp...
Compiling src/mame/audio/warpwarp.cpp...
Compiling src/mame/drivers/20pacgal.cpp...
Compiling src/mame/drivers/30test.cpp...
Compiling src/mame/drivers/baraduke.cpp...
Compiling src/mame/drivers/cgang.cpp...
Compiling src/mame/drivers/cswat.cpp...
Compiling src/mame/drivers/dambustr.cpp...
Compiling src/mame/drivers/dkmb.cpp...
Compiling src/mame/drivers/gal3.cpp...
Compiling src/mame/drivers/galaga.cpp...
Compiling src/mame/drivers/galaxian.cpp...
Compiling src/mame/drivers/galaxold.cpp...
Compiling src/mame/drivers/gaplus.cpp...
Compiling src/mame/drivers/kungfur.cpp...
Compiling src/mame/drivers/mappy.cpp...
Compiling src/mame/drivers/namcofl.cpp...
Compiling src/mame/drivers/namconal.cpp...
Compiling src/mame/drivers/namconb1.cpp...
Compiling src/mame/drivers/namcond1.cpp...
Compiling src/mame/drivers/namcops2.cpp...
Compiling src/mame/drivers/namcos1.cpp...
Compiling src/mame/drivers/namcos10.cpp...
Compiling src/mame/drivers/namcos11.cpp...
Compiling src/mame/drivers/namcos12.cpp...
Compiling src/mame/drivers/namcos1b.cpp...
Compiling src/mame/drivers/namcos2.cpp...
Compiling src/mame/drivers/namcos21.cpp...

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Compiling src/mame/drivers/namcos21_c67.cpp...
Compiling src/mame/drivers/namcos21_de.cpp...
Compiling src/mame/drivers/namcos22.cpp...
Compiling src/mame/drivers/namcos23.cpp...
Compiling src/mame/drivers/namcos86.cpp...
Compiling src/mame/drivers/paclang.cpp...
Compiling src/mame/drivers/polepos.cpp...
Compiling src/mame/drivers/rallyx.cpp...
Compiling src/mame/drivers/shootaway2.cpp...
Compiling src/mame/drivers/skykid.cpp...
Compiling src/mame/drivers/sweetland.cpp...
Compiling src/mame/drivers/tankbatt.cpp...
Compiling src/mame/drivers/tceptor.cpp...
Compiling src/mame/drivers/toytopop.cpp...
Compiling src/mame/drivers/turrett.cpp...
Compiling src/mame/drivers/wacky_gator.cpp...
Compiling src/mame/drivers/warpwarp.cpp...
Compiling src/mame/machine/c117.cpp...
Compiling src/mame/machine/galaxold.cpp...
Compiling src/mame/machine/gapplus.cpp...
Compiling src/mame/machine/namco06.cpp...
Compiling src/mame/machine/namco50.cpp...
Compiling src/mame/machine/namco51.cpp...
Compiling src/mame/machine/namco53.cpp...
Compiling src/mame/machine/namco62.cpp...
Compiling src/mame/machine/namco65.cpp...
Compiling src/mame/machine/namco68.cpp...
Compiling src/mame/machine/namco_c139.cpp...
Compiling src/mame/machine/namco_c148.cpp...
Compiling src/mame/machine/namco_c67.cpp...
Compiling src/mame/machine/namco_settings.cpp...
Compiling src/mame/machine/namcoio.cpp...
Compiling src/mame/machine/namcoio_gearbox.cpp...
Compiling src/mame/machine/namcomcu.cpp...
Compiling src/mame/machine/namcond1.cpp...
Compiling src/mame/machine/namcos1.cpp...
Compiling src/mame/machine/namcos2.cpp...
Compiling src/mame/machine/namcos21_dsp.cpp...
Compiling src/mame/machine/namcos21_dsp_c67.cpp...
Compiling src/mame/machine/ns10crypt.cpp...
Compiling src/mame/machine/ns11prot.cpp...
Compiling src/mame/machine/xevious.cpp...
Compiling src/mame/video/20pacgal.cpp...
Compiling src/mame/video/baraduke.cpp...
Compiling src/mame/video/bosco.cpp...
Compiling src/mame/video/c45.cpp...
Compiling src/mame/video/digdug.cpp...
Compiling src/mame/video/galaga.cpp...
Compiling src/mame/video/galaxian.cpp...
Compiling src/mame/video/galaxold.cpp...
Compiling src/mame/video/gapplus.cpp...
Compiling src/mame/video/mappy.cpp...
Compiling src/mame/video/namco_c116.cpp...
Compiling src/mame/video/namco_c123tmap.cpp...
Compiling src/mame/video/namco_c169roz.cpp...
Compiling src/mame/video/namco_c355spr.cpp...
Compiling src/mame/video/namcofl.cpp...
Compiling src/mame/video/namconal.cpp...
Compiling src/mame/video/namconbl.cpp...
Compiling src/mame/video/namcos1.cpp...
Compiling src/mame/video/namcos2.cpp...
Compiling src/mame/video/namcos21_3d.cpp...
Compiling src/mame/video/namcos22.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/video/namcos22.cpp: In member function 'namcos22_scenenode*
namcos22_renderer::alloc_scenenode(running_machine&, namcos22_scenenode*)':
../../../../../../src/emu/machine.h:69:94: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   69 | #define auto_alloc(m, t)                pool_alloc(static_cast<running_machine
      |                                         &>(m).respool(), t)
      |
      |
../../../../../../src/emu/emualloc.h:29:54: note: in definition of macro 'pool_alloc'
   29 | #define pool_alloc(_pool, _type)        (_pool).add_object(new _type)
      |                                         ^~~~~
../../../../../../src/mame/video/namcos22.cpp:533:10: note: in expansion of macro 'auto_alloc'

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533 |     node = auto_alloc(machine, struct namcos22_scenenode);
      |           ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../src/emu/machine.h:169:82: note: declared here
169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
                from ../../../../src/emu/emu.h:30:
../../../../../src/mame/video/namcos22.cpp: In member function 'virtual void
namcos22_state::video_start()':
../../../../../src/emu/machine.h:69:94: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
69 | #define auto_alloc(m, t)                pool_alloc(static_cast<running_machine
&>(m).respool(), t)
      |
^
../../../../../src/emu/emualloc.h:29:54: note: in definition of macro 'pool_alloc'
29 | #define pool_alloc(_pool, _type)        (_pool).add_object(new _type)
      |                                           ^~~~~~
../../../../../src/mame/video/namcos22.cpp:2583:11: note: in expansion of macro 'auto_alloc'
2583 | m_poly = auto_alloc(machine(), namcos22_renderer(*this));
      |           ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../src/emu/machine.h:169:82: note: declared here
169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
Compiling src/mame/video/namcos2_roz.cpp...
Compiling src/mame/video/namcos2_sprite.cpp...
Compiling src/mame/video/namcos86.cpp...
Compiling src/mame/video/pacland.cpp...
Compiling src/mame/video/polepos.cpp...
Compiling src/mame/video/rallyx.cpp...
Compiling src/mame/video/skykid.cpp...
Compiling src/mame/video/starfield_05xx.cpp...
Compiling src/mame/video/tankbatt.cpp...
Compiling src/mame/video/tceptor.cpp...
Compiling src/mame/video/turrett.cpp...
Compiling src/mame/video/warpwarp.cpp...
Compiling src/mame/video/xevious.cpp...
Compiling src/mame/video/ygv608.cpp...
Archiving libnamco.a...
Compiling src/mame/drivers/crgolf.cpp...
Compiling src/mame/drivers/himesiki.cpp...
Compiling src/mame/drivers/suprgolf.cpp...
Compiling src/mame/video/crgolf.cpp...
Compiling src/mame/video/himesiki.cpp...
Archiving libnasco.a...
Compiling src/mame/drivers/neogeo.cpp...
Compiling src/mame/drivers/neopcb.cpp...
Compiling src/mame/machine/ng_memcard.cpp...
Compiling src/mame/video/neogeo.cpp...
Compiling src/mame/video/neogeo_spr.cpp...
Archiving libneogeo.a...
Compiling src/mame/audio/cclimber.cpp...
Compiling src/mame/audio/gomoku.cpp...
Compiling src/mame/audio/nichisnd.cpp...
Compiling src/mame/audio/wiping.cpp...
Compiling src/mame/drivers/armedf.cpp...
Compiling src/mame/drivers/cclimber.cpp...
Compiling src/mame/drivers/clshroad.cpp...
Compiling src/mame/drivers/cop01.cpp...
Compiling src/mame/drivers/csplayh5.cpp...
Compiling src/mame/drivers/dacholer.cpp...
Compiling src/mame/drivers/galivan.cpp...
Compiling src/mame/drivers/gomoku.cpp...
Compiling src/mame/drivers/hyhoo.cpp...
Compiling src/mame/drivers/jangou.cpp...
Compiling src/mame/drivers/magmax.cpp...
Compiling src/mame/drivers/nbmj8688.cpp...
Compiling src/mame/drivers/nbmj8891.cpp...
Compiling src/mame/drivers/nbmj8900.cpp...
Compiling src/mame/drivers/nbmj8991.cpp...
Compiling src/mame/drivers/nbmj9195.cpp...

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Compiling src/mame/drivers/nichild.cpp...
Compiling src/mame/drivers/nightgal.cpp...
Compiling src/mame/drivers/niyanpai.cpp...
Compiling src/mame/drivers/pastelg.cpp...
Compiling src/mame/drivers/seicross.cpp...
Compiling src/mame/drivers/terrace.cpp...
Compiling src/mame/drivers/tubep.cpp...
Compiling src/mame/drivers/wiping.cpp...
Compiling src/mame/machine/cclimber.cpp...
Compiling src/mame/machine/nb1412m2.cpp...
Compiling src/mame/machine/nb1413m3.cpp...
Compiling src/mame/machine/nb1414m4.cpp...
Compiling src/mame/video/armedf.cpp...
Compiling src/mame/video/cclimber.cpp...
Compiling src/mame/video/clshroad.cpp...
Compiling src/mame/video/cop01.cpp...
Compiling src/mame/video/galivan.cpp...
Compiling src/mame/video/gomoku.cpp...
Compiling src/mame/video/hyhoo.cpp...
Compiling src/mame/video/magmax.cpp...
Compiling src/mame/video/nbmj8688.cpp...
Compiling src/mame/video/nbmj8891.cpp...
Compiling src/mame/video/nbmj8900.cpp...
Compiling src/mame/video/nbmj8991.cpp...
Compiling src/mame/video/nbmj9195.cpp...
Compiling src/mame/video/niyanpai.cpp...
Compiling src/mame/video/pastelg.cpp...
Compiling src/mame/video/seicross.cpp...
Compiling src/mame/video/terrace.cpp...
Compiling src/mame/video/tubep.cpp...
Compiling src/mame/video/wiping.cpp...
Archiving libnichibut.a...
Compiling src/mame/drivers/fitfight.cpp...
Compiling src/mame/drivers/pirates.cpp...
Compiling src/mame/video/fitfight.cpp...
Compiling src/mame/video/pirates.cpp...
Archiving libnix.a...
Compiling src/mame/drivers/acommand.cpp...
Compiling src/mame/drivers/cultures.cpp...
Compiling src/mame/drivers/ddealer.cpp...
Compiling src/mame/drivers/jalmah.cpp...
Compiling src/mame/drivers/macrossp.cpp...
Compiling src/mame/drivers/nmk16.cpp...
Compiling src/mame/drivers/nmkmedal.cpp...
Compiling src/mame/drivers/powerins.cpp...
Compiling src/mame/drivers/quizdna.cpp...
Compiling src/mame/drivers/quizpani.cpp...
Compiling src/mame/machine/nmk004.cpp...
Compiling src/mame/video/macrossp.cpp...
Compiling src/mame/video/nmk16.cpp...
Compiling src/mame/video/nmk16spr.cpp...
Compiling src/mame/video/powerins.cpp...
Compiling src/mame/video/quizdna.cpp...
Compiling src/mame/video/quizpani.cpp...
Archiving libnmk.a...
Compiling src/mame/drivers/battlex.cpp...
Compiling src/mame/drivers/carjmbre.cpp...
Compiling src/mame/drivers/popper.cpp...
Compiling src/mame/drivers/spaceg.cpp...
Compiling src/mame/video/battlex.cpp...
Archiving libomori.a...
Compiling src/mame/drivers/espial.cpp...
Compiling src/mame/drivers/funkybee.cpp...
Compiling src/mame/drivers/marineb.cpp...
Compiling src/mame/drivers/vastar.cpp...
Compiling src/mame/drivers/zodiack.cpp...
Compiling src/mame/video/espial.cpp...
Compiling src/mame/video/funkybee.cpp...
Compiling src/mame/video/marineb.cpp...
Compiling src/mame/video/orca40c.cpp...
Compiling src/mame/video/vastar.cpp...
Archiving liborca.a...
Compiling src/mame/drivers/mrflea.cpp...
Compiling src/mame/drivers/thief.cpp...
Compiling src/mame/video/mrflea.cpp...
Compiling src/mame/video/thief.cpp...
Archiving libpacific.a...

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Compiling src/mame/drivers/jrpacman.cpp...
 Compiling src/mame/drivers/pacman.cpp...
 Compiling src/mame/drivers/pengo.cpp...
 Compiling src/mame/drivers/schick.cpp...
 Compiling src/mame/machine/jumpshot.cpp...
 Compiling src/mame/machine/pacman.cpp...
 Compiling src/mame/machine/pacplus.cpp...
 Compiling src/mame/video/pacman.cpp...
 Archiving libpacman.a...
 Compiling src/mame/drivers/ggconnie.cpp...
 Compiling src/mame/drivers/paranoia.cpp...
 Compiling src/mame/drivers/tourvis.cpp...
 Compiling src/mame/drivers/uapce.cpp...
 Compiling src/mame/machine/pcecommn.cpp...
 Archiving libpce.a...
 Compiling src/mame/audio/phoenix.cpp...
 Compiling src/mame/audio/pleiads.cpp...
 Compiling src/mame/drivers/naughtyb.cpp...
 Compiling src/mame/drivers/phoenix.cpp...
 Compiling src/mame/drivers/safarir.cpp...
 Compiling src/mame/video/naughtyb.cpp...
 Compiling src/mame/video/phoenix.cpp...
 Archiving libphoenix.a...
 Compiling src/mame/drivers/drtomy.cpp...
 Compiling src/mame/drivers/playmark.cpp...
 Compiling src/mame/drivers/powerbal.cpp...
 Compiling src/mame/drivers/sderby.cpp...
 Compiling src/mame/drivers/sslam.cpp...
 Compiling src/mame/video/playmark.cpp...
 Compiling src/mame/video/sderby.cpp...
 Compiling src/mame/video/sslam.cpp...
 Archiving libplaymark.a...
 Compiling src/mame/drivers/1945kiii.cpp...
 Compiling src/mame/drivers/3x3puzzl.cpp...
 Compiling src/mame/drivers/gstream.cpp...
 Archiving libpromat.a...
 Compiling src/mame/drivers/psikyo.cpp...
 Compiling src/mame/drivers/psikyo4.cpp...
 Compiling src/mame/drivers/psikyosh.cpp...
 Compiling src/mame/video/psikyo.cpp...
 Compiling src/mame/video/psikyo4.cpp...
 Compiling src/mame/video/psikyosh.cpp...
 Archiving libpsikyo.a...
 Compiling src/mame/audio/hitme.cpp...
 Compiling src/mame/audio/nl_starcrus.cpp...
 Compiling src/mame/drivers/hitme.cpp...
 Compiling src/mame/drivers/ramtek.cpp...
 Compiling src/mame/drivers/starcrus.cpp...
 Compiling src/mame/video/starcrus.cpp...
 Archiving libramtek.a...
 Compiling src/mame/drivers/btoads.cpp...
 Compiling src/mame/drivers/kinst.cpp...
 Compiling src/mame/drivers/xtheball.cpp...
 Compiling src/mame/video/btoads.cpp...
 Archiving librare.a...
 Compiling src/mame/drivers/appoooh.cpp...
 Compiling src/mame/drivers/bankp.cpp...
 Compiling src/mame/drivers/chinsan.cpp...
 Compiling src/mame/drivers/drmicro.cpp...
 Compiling src/mame/drivers/jantotsu.cpp...
 Compiling src/mame/drivers/mermaid.cpp...
 Compiling src/mame/drivers/mjkjidai.cpp...
 Compiling src/mame/drivers/ron.cpp...
 Compiling src/mame/video/appoooh.cpp...
 Compiling src/mame/video/bankp.cpp...
 Compiling src/mame/video/drmicro.cpp...
 Compiling src/mame/video/mermaid.cpp...
 Compiling src/mame/video/mjkjidai.cpp...
 Archiving libsanritsu.a...
 Compiling src/mame/audio/carnival.cpp...
 Compiling src/mame/audio/depthch.cpp...
 Compiling src/mame/audio/dsbz80.cpp...
 Compiling src/mame/audio/invinco.cpp...
 Compiling src/mame/audio/nl_astrob.cpp...
 Compiling src/mame/audio/nl_brdrline.cpp...
 Compiling src/mame/audio/nl_elim.cpp...
 Compiling src/mame/audio/nl_frogs.cpp...

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Compiling src/mame/audio/nl_segas16b.cpp...
Compiling src/mame/audio/nl_segaspeech.cpp...
Compiling src/mame/audio/nl_segasb.cpp...
Compiling src/mame/audio/nl_spacfury.cpp...
Compiling src/mame/audio/pulsar.cpp...
Compiling src/mame/audio/segag80.cpp...
Compiling src/mame/audio/segag80r.cpp...
Compiling src/mame/audio/segaspeech.cpp...
Compiling src/mame/audio/segasb.cpp...
Compiling src/mame/audio/turbo.cpp...
Compiling src/mame/audio/vicdual-97271p.cpp...
Compiling src/mame/audio/vicdual.cpp...
Compiling src/mame/audio/zaxxon.cpp...
Compiling src/mame/drivers/angelkds.cpp...
Compiling src/mame/drivers/bingoc.cpp...
Compiling src/mame/drivers/blockade.cpp...
Compiling src/mame/drivers/calcune.cpp...
Compiling src/mame/drivers/calorie.cpp...
Compiling src/mame/drivers/chihiro.cpp...
Compiling src/mame/drivers/coolridr.cpp...
Compiling src/mame/drivers/deniam.cpp...
Compiling src/mame/drivers/dotrikun.cpp...
Compiling src/mame/drivers/flashbeats.cpp...
Compiling src/mame/drivers/gpworld.cpp...
Compiling src/mame/drivers/hikaru.cpp...
Compiling src/mame/drivers/hshavoc.cpp...
Compiling src/mame/drivers/kopunch.cpp...
Compiling src/mame/drivers/lindbergh.cpp...
Compiling src/mame/drivers/megadriv_acbl.cpp...
Compiling src/mame/drivers/megaplay.cpp...
Compiling src/mame/drivers/megatech.cpp...
Compiling src/mame/drivers/modell1.cpp...
Compiling src/mame/drivers/model2.cpp...
Compiling src/mame/drivers/model3.cpp...
Compiling src/mame/drivers/monacogp.cpp...
Compiling src/mame/drivers/naomi.cpp...
Compiling src/mame/drivers/puckpkmn.cpp...
Compiling src/mame/drivers/saturn.cpp...
Compiling src/mame/drivers/sderby2.cpp...
Compiling src/mame/drivers/segaatom.cpp...
Compiling src/mame/drivers/segac2.cpp...
Compiling src/mame/drivers/segacoin.cpp...
Compiling src/mame/drivers/segae.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/drivers/segae.cpp: In member function 'void
systeme_state::init_opaopa()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      ^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      ^~~~~~
../../../../../../src/mame/drivers/segae.cpp:974:38: note: in expansion of macro
'auto_alloc_array'
   974 |  uint8_t *banked_decrypted_opcodes = auto_alloc_array(machine(), uint8_t,
m_maincpu_region->bytes());
      |
      ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 |  [[deprecated("use smart pointers to manage object lifecycles")] resource_pool
&respool() { return m_respool; }
      |
      ^~~~~~
Compiling src/mame/drivers/segag80r.cpp...
Compiling src/mame/drivers/segag80v.cpp...
Compiling src/mame/drivers/segahang.cpp...
Compiling src/mame/drivers/segajw.cpp...
Compiling src/mame/drivers/segald.cpp...
Compiling src/mame/drivers/segaml.cpp...
Compiling src/mame/drivers/segaorun.cpp...
Compiling src/mame/drivers/segas16a.cpp...
Compiling src/mame/drivers/segas16b.cpp...

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Compiling src/mame/drivers/segas18.cpp...
Compiling src/mame/drivers/segas24.cpp...
Compiling src/mame/drivers/segas32.cpp...
Compiling src/mame/drivers/segasp.cpp...
Compiling src/mame/drivers/segattl.cpp...
Compiling src/mame/drivers/segaufo.cpp...
Compiling src/mame/drivers/segaxbd.cpp...
Compiling src/mame/drivers/segaybd.cpp...
Compiling src/mame/drivers/sg1000a.cpp...
Compiling src/mame/drivers/shtzone.cpp...
Compiling src/mame/drivers/sms.cpp...
Compiling src/mame/drivers/sms_bootleg.cpp...
Compiling src/mame/drivers/stactics.cpp...
Compiling src/mame/drivers/stv.cpp...
Compiling src/mame/drivers/suprloco.cpp...
Compiling src/mame/drivers/system1.cpp...
Compiling src/mame/drivers/system16.cpp...
Compiling src/mame/drivers/timetrv.cpp...
Compiling src/mame/drivers/triforce.cpp...
Compiling src/mame/drivers/turbo.cpp...
Compiling src/mame/drivers/vicdual.cpp...
Compiling src/mame/drivers/y2.cpp...
Compiling src/mame/drivers/zaxxon.cpp...
Compiling src/mame/machine/315-5838_317-0229_comp.cpp...
Compiling src/mame/machine/315-5881_crypt.cpp...
Compiling src/mame/machine/315-6154.cpp...
Compiling src/mame/machine/315_5195.cpp...
Compiling src/mame/machine/315_5296.cpp...
Compiling src/mame/machine/315_5338a.cpp...
Compiling src/mame/machine/315_5649.cpp...
Compiling src/mame/machine/awboard.cpp...
Compiling src/mame/machine/dc_ctrl.cpp...
Compiling src/mame/machine/dc.cpp...
Compiling src/mame/machine/fd1089.cpp...
Compiling src/mame/machine/fd1094.cpp...
Compiling src/mame/machine/fddebug.cpp...
Compiling src/mame/machine/gdrom.cpp...
Compiling src/mame/machine/gunsense.cpp...
Compiling src/mame/machine/jvs13551.cpp...
Compiling src/mame/machine/mlcomm.cpp...
Compiling src/mame/machine/m2comm.cpp...
Compiling src/mame/machine/m3comm.cpp...
Compiling src/mame/machine/maple-dc.cpp...
Compiling src/mame/machine/mapledev.cpp...
Compiling src/mame/machine/mc8123.cpp...
Compiling src/mame/machine/megadriv.cpp...
Compiling src/mame/machine/mie.cpp...
Compiling src/mame/machine/model1.cpp...
Compiling src/mame/machine/modellio.cpp...
Compiling src/mame/machine/modellio2.cpp...
Compiling src/mame/machine/model2.cpp...
Compiling src/mame/machine/model3.cpp...
Compiling src/mame/machine/naomi.cpp...
Compiling src/mame/machine/naomibd.cpp...
Compiling src/mame/machine/naomigd.cpp...
Compiling src/mame/machine/naomigd.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/machine/naomigd.cpp: In member function 'virtual void
naomi_gdrom_board::device_start()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)          pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      ^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      ^~~~~
../../../../../../src/mame/machine/naomigd.cpp:999:16: note: in expansion of macro
'auto_alloc_array'
   999 |     dimm_data = auto_alloc_array(machine(), uint8_t, dimm_data_size);
      |                   ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here

```

```

169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
|
^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
                from ../../../../src/emu/emu.h:30:
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
|
^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
|
^~~~~~
../../../../src/mame/machine/naomigd.cpp:1000:20: note: in expansion of macro
'auto_alloc_array'
 1000 |         dimm_des_data = auto_alloc_array(machine(), uint8_t, dimm_data_size);
|
^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
|
^~~~~~
Compiling src/mame/machine/naomim1.cpp...
Compiling src/mame/machine/naomim2.cpp...
Compiling src/mame/machine/naomim4.cpp...
Compiling src/mame/machine/naomirom.cpp...
Compiling src/mame/machine/s32comm.cpp...
Compiling src/mame/machine/saturn.cpp...
Compiling src/mame/machine/saturn_cdb.cpp...
Compiling src/mame/machine/segabb.cpp...
Compiling src/mame/machine/segabill.cpp...
Compiling src/mame/machine/segacrp2_device.cpp...
Compiling src/mame/machine/segag80.cpp...
Compiling src/mame/machine/segaic16.cpp...
Compiling src/mame/machine/segas32.cpp...
Compiling src/mame/machine/sms.cpp...
Compiling src/mame/machine/stvprot.cpp...
Compiling src/mame/machine/xbox.cpp...
Compiling src/mame/machine/xbox_pci.cpp...
Compiling src/mame/machine/xbox_usb.cpp...
Compiling src/mame/video/angelkds.cpp...
Compiling src/mame/video/deniam.cpp...
Compiling src/mame/video/kopunch.cpp...
Compiling src/mame/video/model1.cpp...
Compiling src/mame/video/model2.cpp...
Compiling src/mame/video/model3.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                from ../../../../src/emu/emu.h:30:
../../../../src/mame/video/model3.cpp: In member function 'virtual void
model3_state::video_start()':
../../../../src/emu/machine.h:69:94: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   69 | #define auto_alloc(m, t)              pool_alloc(static_cast<running_machine
&>(m).respool(), t)
|
^
../../../../src/emu/emualloc.h:29:54: note: in definition of macro 'pool_alloc'
   29 | #define pool_alloc(_pool, _type)      (_pool).add_object(new _type)
|
^~~~~~
../../../../src/mame/video/model3.cpp:175:15: note: in expansion of macro 'auto_alloc'
   175 | m_renderer = auto_alloc(machine(), model3_renderer(*this, width, height));
|
^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
|
^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
                from ../../../../src/emu/emu.h:30:
../../../../src/emu/machine.h:72:106: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]

```

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72 | #define auto_alloc_array_clear(m, t, c)
pool_alloc_array_clear(static_cast<running_machine &>(m).respool(), t, c)
^
../../../../../../../../src/emu/emualloc.h:32:54: note: in definition of macro 'pool_alloc_array_clear'
32 | #define pool_alloc_array_clear(_pool, _type, _num)
(_pool).add_array(make_unique_clear<_type []>(_num).release(), (_num))
|
../../../../../../../../src/mame/video/model3.cpp:177:17: note: in expansion of macro
'auto_alloc_array_clear'
177 | m_tri_buffer = auto_alloc_array_clear(machine(), m3_triangle, TRI_BUFFER_SIZE);
|
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:169:82: note: declared here
169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
|
^~~~~~
In file included from ../../../../../../src/emu/emucore.h:39,
from ../../../../../../src/emu/emu.h:30:
../../../../../../../../src/emu/machine.h:72:106: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
72 | #define auto_alloc_array_clear(m, t, c)
pool_alloc_array_clear(static_cast<running_machine &>(m).respool(), t, c)
|
^
../../../../../../../../src/emu/emualloc.h:32:54: note: in definition of macro 'pool_alloc_array_clear'
32 | #define pool_alloc_array_clear(_pool, _type, _num)
(_pool).add_array(make_unique_clear<_type []>(_num).release(), (_num))
|
../../../../../../../../src/mame/video/model3.cpp:178:23: note: in expansion of macro
'auto_alloc_array_clear'
178 | m_tri_alpha_buffer = auto_alloc_array_clear(machine(), m3_triangle,
TRI_ALPHA_BUFFER_SIZE);
|
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:169:82: note: declared here
169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
|
^~~~~~
In file included from ../../../../../../src/emu/emucore.h:39,
from ../../../../../../src/emu/emu.h:30:
../../../../../../../../src/mame/video/model3.cpp: In member function 'void
model3_state::invalidate_texture(int, int, int, int, int)':
../../../../../../../../src/emu/machine.h:73:93: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
73 | #define auto_free(m, v) pool_free(static_cast<running_machine
&>(m).respool(), v)
|
^
../../../../../../../../src/emu/emualloc.h:33:54: note: in definition of macro 'pool_free'
33 | #define pool_free(_pool, v) (_pool).remove(v)
|
../../../../../../../../src/mame/video/model3.cpp:554:5: note: in expansion of macro 'auto_free'
554 | auto_free(machine(), freeme);
|
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:169:82: note: declared here
169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
|
^~~~~~
In file included from ../../../../../../src/emu/emucore.h:39,
from ../../../../../../src/emu/emu.h:30:
../../../../../../../../src/mame/video/model3.cpp: In member function 'cached_texture*
model3_state::get_texture(int, int, int, int, int)':
../../../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
71 | #define auto_alloc_array(m, t, c) pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
|
^
../../../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
31 | #define pool_alloc_array(_pool, _type, _num) (_pool).add_array(new _type
[_num], (_num))
|
^~~~~~

```

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../../../../../src/mame/video/model3.cpp:572:26: note: in expansion of macro
'auto_alloc_array'
  572 | tex = (cached_texture *)auto_alloc_array(machine(), uint8_t, sizeof(cached_texture) +
(2 * pixwidth * 2 * pixheight) * sizeof(rgb_t));
      |                               ^~~~~~
In file included from ../../../../../src/emu/emu.h:87:
../../../../../src/emu/machine.h:169:82: note: declared here
  169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
In file included from ../../../../../src/emu/emucore.h:39,
      from ../../../../../src/emu/emu.h:30:
../../../../../src/mame/video/model3.cpp: In member function 'void
model3_state::init_matrix_stack()':
../../../../../src/emu/machine.h:72:106: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
  72 | #define auto_alloc_array_clear(m, t, c)
pool_alloc_array_clear(static_cast<running_machine &>(m).respool(), t, c)
      |
^
../../../../../src/emu/emualloc.h:32:54: note: in definition of macro 'pool_alloc_array_clear'
  32 | #define pool_alloc_array_clear(pool, _type, _num)
(_pool).add_array(make_unique_clear<_type []>(_num).release(), (_num))
      |                               ^~~~~~
../../../../../src/mame/video/model3.cpp:1400:34: note: in expansion of macro
'auto_alloc_array_clear'
 1400 | matrix_stack = m_matrix_stack = auto_alloc_array_clear(machine(), MATRIX,
MATRIX_STACK_SIZE);
      |                               ^~~~~~
In file included from ../../../../../src/emu/emu.h:87:
../../../../../src/emu/machine.h:169:82: note: declared here
  169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
Compiling src/mame/video/powervr2.cpp...
Compiling src/mame/video/sega16sp.cpp...
Compiling src/mame/video/sega80r.cpp...
Compiling src/mame/video/sega80v.cpp...
Compiling src/mame/video/segaic16.cpp...
Compiling src/mame/video/segaic16_road.cpp...
Compiling src/mame/video/segaic24.cpp...
Compiling src/mame/video/segaorun.cpp...
Compiling src/mame/video/segas16a.cpp...
Compiling src/mame/video/segas16b.cpp...
Compiling src/mame/video/segas18.cpp...
Compiling src/mame/video/segas24.cpp...
Compiling src/mame/video/segas32.cpp...
Compiling src/mame/video/segaxbd.cpp...
Compiling src/mame/video/segaybd.cpp...
Compiling src/mame/video/stactics.cpp...
Compiling src/mame/video/suprloco.cpp...
Compiling src/mame/video/system1.cpp...
Compiling src/mame/video/system16.cpp...
Compiling src/mame/video/turbo.cpp...
Compiling src/mame/video/vicdual-97269pb.cpp...
Compiling src/mame/video/vicdual.cpp...
Compiling src/mame/video/xbox_nv2a.cpp...
Compiling src/mame/video/zaxxon.cpp...
Archiving libsega.a...
Compiling src/mame/audio/seibu.cpp...
Compiling src/mame/audio/t5182.cpp...
Compiling src/mame/drivers/airraid.cpp...
Compiling src/mame/drivers/bloodbro.cpp...
Compiling src/mame/drivers/bloodbro_ms.cpp...
Compiling src/mame/drivers/cabal.cpp...
Compiling src/mame/drivers/darkmist.cpp...
Compiling src/mame/drivers/dcon.cpp...
Compiling src/mame/drivers/deadang.cpp...
Compiling src/mame/drivers/dynduke.cpp...
Compiling src/mame/drivers/feversoc.cpp...
Compiling src/mame/drivers/goal92.cpp...
Compiling src/mame/drivers/goodejan.cpp...
Compiling src/mame/drivers/kncljoe.cpp...
Compiling src/mame/drivers/legionna.cpp...

```



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Compiling src/mame/drivers/metlfrzr.cpp...
Compiling src/mame/drivers/mustache.cpp...
Compiling src/mame/drivers/panicr.cpp...
Compiling src/mame/drivers/r2dx_v33.cpp...
Compiling src/mame/drivers/raiden.cpp...
Compiling src/mame/drivers/raiden2.cpp...
Compiling src/mame/drivers/raiden_ms.cpp...
Compiling src/mame/drivers/seibucats.cpp...
Compiling src/mame/drivers/seibuspi.cpp...
Compiling src/mame/drivers/seicupbl.cpp...
Compiling src/mame/drivers/sengokmj.cpp...
Compiling src/mame/drivers/stfight.cpp...
Compiling src/mame/drivers/toki.cpp...
Compiling src/mame/drivers/toki_ms.cpp...
Compiling src/mame/drivers/wiz.cpp...
Compiling src/mame/machine/r2crypt.cpp...
Compiling src/mame/machine/seibucop.cpp...
Compiling src/mame/machine/seibuspi.cpp...
Compiling src/mame/machine/seicopbl.cpp...
Compiling src/mame/machine/stfight.cpp...
Compiling src/mame/video/airraid_dev.cpp...
Compiling src/mame/video/bloodbro.cpp...
Compiling src/mame/video/cabal.cpp...
Compiling src/mame/video/darkmist.cpp...
Compiling src/mame/video/dcon.cpp...
Compiling src/mame/video/deadang.cpp...
Compiling src/mame/video/dynduke.cpp...
Compiling src/mame/video/goal92.cpp...
Compiling src/mame/video/knc1joe.cpp...
Compiling src/mame/video/legionna.cpp...
Compiling src/mame/video/mustache.cpp...
Compiling src/mame/video/raiden.cpp...
Compiling src/mame/video/raiden2.cpp...
Compiling src/mame/video/seibu_crtc.cpp...
Compiling src/mame/video/seibuspi.cpp...
Compiling src/mame/video/stfight_dev.cpp...
Compiling src/mame/video/toki.cpp...
Compiling src/mame/video/wiz.cpp...
Archiving libseibu.a...
Compiling src/mame/drivers/aleck64.cpp...
Compiling src/mame/drivers/hanaawas.cpp...
Compiling src/mame/drivers/jclub2.cpp...
Compiling src/mame/drivers/macscpp.cpp...
Compiling src/mame/drivers/seta.cpp...
Compiling src/mame/drivers/seta2.cpp...
Compiling src/mame/drivers/simple_st0016.cpp...
Compiling src/mame/drivers/speedatk.cpp...
Compiling src/mame/drivers/speglst.cpp...
Compiling src/mame/drivers/srmp2.cpp...
Compiling src/mame/drivers/srmp5.cpp...
Compiling src/mame/drivers/srmp6.cpp...
Compiling src/mame/drivers/ssv.cpp...
Compiling src/mame/drivers/thedealr.cpp...
Compiling src/mame/machine/n64.cpp...
Compiling src/mame/machine/st0016.cpp...
Compiling src/mame/video/hanaawas.cpp...
Compiling src/mame/video/n64.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/video/n64.cpp: In member function 'virtual void
n64_state::video_start()':
../../../../../../src/emu/machine.h:69:94: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   69 | #define auto_alloc(m, t)          pool_alloc(static_cast<running_machine
      |                                     &>(m).respool(), t)
      |
      |
^
../../../../../../src/emu/emualloc.h:29:54: note: in definition of macro 'pool_alloc'
   29 | #define pool_alloc(_pool, _type)    (_pool).add_object(new _type)
      |                                     ^~~~~
../../../../../../src/mame/video/n64.cpp:94:10: note: in expansion of macro 'auto_alloc'
   94 | m_rdp = auto_alloc(machine(), n64_rdp(*this, m_rdrdram, m_rsp_dmram));
      |         ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
  169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }

```

```

|
^~~~~~
Compiling src/mame/video/pin64.cpp...
Compiling src/mame/video/rdpblend.cpp...
Compiling src/mame/video/rdptpipe.cpp...
Compiling src/mame/video/seta.cpp...
Compiling src/mame/video/seta001.cpp...
Compiling src/mame/video/seta2.cpp...
Compiling src/mame/video/speedatk.cpp...
Compiling src/mame/video/srmp2.cpp...
Compiling src/mame/video/ssv.cpp...
Compiling src/mame/video/st0020.cpp...
Archiving libseta.a...
Compiling src/mame/audio/spiders.cpp...
Compiling src/mame/drivers/nyny.cpp...
Compiling src/mame/drivers/r2dtank.cpp...
Compiling src/mame/drivers/sigma21.cpp...
Compiling src/mame/drivers/sigmab31.cpp...
Compiling src/mame/drivers/sigmab52.cpp...
Compiling src/mame/drivers/sigmab98.cpp...
Compiling src/mame/drivers/spiders.cpp...
Compiling src/mame/drivers/sub.cpp...
Compiling src/mame/video/sub.cpp...
Archiving libsigma.a...
Compiling src/mame/audio/cliffhgr.cpp...
Compiling src/mame/drivers/astinvad.cpp...
Compiling src/mame/drivers/berzerk.cpp...
Compiling src/mame/drivers/cliffhgr.cpp...
Compiling src/mame/drivers/mazerbla.cpp...
Compiling src/mame/drivers/supdrapo.cpp...
Archiving libstern.a...
Compiling src/mame/drivers/lastfght.cpp...
Compiling src/mame/drivers/subsino.cpp...
Compiling src/mame/drivers/subsino2.cpp...
Compiling src/mame/machine/subsino.cpp...
Archiving libsubsino.a...
Compiling src/mame/audio/suna8.cpp...
Compiling src/mame/drivers/go2000.cpp...
Compiling src/mame/drivers/goindol.cpp...
Compiling src/mame/drivers/suna16.cpp...
Compiling src/mame/drivers/suna8.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/drivers/suna8.cpp: In member function 'uint8_t*
suna8_state::brickzn_decrypt()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)          pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
../../../../../../src/mame/drivers/suna8.cpp:98:23: note: in expansion of macro
'auto_alloc_array'
   98 | uint8_t *decrypt = auto_alloc_array(machine(), uint8_t, size);
      |                   ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/drivers/suna8.cpp: In member function 'void
suna8_state::init_hardhea2()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)          pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'

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    31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      | ^~~~~
../.../.../.../src/mame/drivers/suna8.cpp:220:21: note: in expansion of macro
'auto_alloc_array'
    220 | uint8_t *decrypt = auto_alloc_array(machine(), uint8_t, size);
      |                   ^~~~~~
In file included from ../.../.../.../src/emu/emu.h:87:
../.../.../.../src/emu/machine.h:169:82: note: declared here
    169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      | ^~~~~~
In file included from ../.../.../.../src/emu/emucore.h:39,
      | from ../.../.../.../src/emu/emu.h:30:
../.../.../.../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
    71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      | ^
../.../.../.../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
    31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      | ^~~~~
../.../.../.../src/mame/drivers/suna8.cpp:292:44: note: in expansion of macro
'auto_alloc_array'
    292 | membank("bank2")->configure_entries(0, 2, auto_alloc_array(machine(), uint8_t, 0x2000
* 2), 0x2000);
      |                   ^~~~~~
In file included from ../.../.../.../src/emu/emu.h:87:
../.../.../.../src/emu/machine.h:169:82: note: declared here
    169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      | ^~~~~~
In file included from ../.../.../.../src/emu/emucore.h:39,
      | from ../.../.../.../src/emu/emu.h:30:
../.../.../.../src/mame/drivers/suna8.cpp: In member function 'void
suna8_state::init_hardhea2b()':
../.../.../.../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
    71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      | ^
../.../.../.../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
    31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      | ^~~~~
../.../.../.../src/mame/drivers/suna8.cpp:301:44: note: in expansion of macro
'auto_alloc_array'
    301 | membank("bank2")->configure_entries(0, 2, auto_alloc_array(machine(), uint8_t, 0x2000
* 2), 0x2000);
      |                   ^~~~~~
In file included from ../.../.../.../src/emu/emu.h:87:
../.../.../.../src/emu/machine.h:169:82: note: declared here
    169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      | ^~~~~~
In file included from ../.../.../.../src/emu/emucore.h:39,
      | from ../.../.../.../src/emu/emu.h:30:
../.../.../.../src/mame/drivers/suna8.cpp: In member function 'void
suna8_state::init_starfigh()':
../.../.../.../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
    71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      | ^
../.../.../.../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
    31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      | ^~~~~
../.../.../.../src/mame/drivers/suna8.cpp:312:21: note: in expansion of macro
'auto_alloc_array'

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312 | uint8_t *decrypt = auto_alloc_array(machine(), uint8_t, size);
|
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
|
^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/drivers/suna8.cpp: In member function 'void
suna8_state::init_sparkman()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
71 | #define auto_alloc_array(m, t, c) pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
|
^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
31 | #define pool_alloc_array(_pool, _type, _num) (_pool).add_array(new _type
[_num], (_num))
|
^~~~~~
../../../../../../src/mame/drivers/suna8.cpp:395:21: note: in expansion of macro
'auto_alloc_array'
395 | uint8_t *decrypt = auto_alloc_array(machine(), uint8_t, size);
|
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
|
^~~~~~
Compiling src/mame/video/goindol.cpp...
Compiling src/mame/video/suna16.cpp...
Compiling src/mame/video/suna8.cpp...
Archiving libsuna.a...
Compiling src/mame/drivers/arabian.cpp...
Compiling src/mame/drivers/dai3wksi.cpp...
Compiling src/mame/drivers/ikki.cpp...
Compiling src/mame/drivers/kangaroo.cpp...
Compiling src/mame/drivers/markham.cpp...
Compiling src/mame/drivers/route16.cpp...
Compiling src/mame/drivers/shangha3.cpp...
Compiling src/mame/drivers/shanghai.cpp...
Compiling src/mame/drivers/tonton.cpp...
Compiling src/mame/video/arabian.cpp...
Compiling src/mame/video/ikki.cpp...
Compiling src/mame/video/kangaroo.cpp...
Compiling src/mame/video/markham.cpp...
Compiling src/mame/video/route16.cpp...
Compiling src/mame/video/shangha3.cpp...
Archiving libsunelect.a...
Compiling src/mame/audio/crbaloon.cpp...
Compiling src/mame/audio/grchamp.cpp...
Compiling src/mame/audio/qix.cpp...
Compiling src/mame/audio/taito_en.cpp...
Compiling src/mame/audio/taito_zm.cpp...
Compiling src/mame/audio/taitosnd.cpp...
Compiling src/mame/drivers/2mindril.cpp...
Compiling src/mame/drivers/40love.cpp...
Compiling src/mame/drivers/arkanoid.cpp...
Compiling src/mame/drivers/ashnojoe.cpp...
Compiling src/mame/drivers/asuka.cpp...
Compiling src/mame/drivers/bigevglf.cpp...
Compiling src/mame/drivers/bingowav.cpp...
Compiling src/mame/drivers/bking.cpp...
Compiling src/mame/drivers/bublbo1.cpp...
Compiling src/mame/drivers/buggychl.cpp...
Compiling src/mame/drivers/capr1.cpp...
Compiling src/mame/drivers/caprcyc.cpp...
Compiling src/mame/drivers/cchance.cpp...
Compiling src/mame/drivers/chaknpop.cpp...
Compiling src/mame/drivers/champbwl.cpp...
Compiling src/mame/drivers/changela.cpp...
Compiling src/mame/drivers/cpzodiac.cpp...
Compiling src/mame/drivers/crbaloon.cpp...
Compiling src/mame/drivers/cyclemb.cpp...

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Compiling src/mame/drivers/darius.cpp...
Compiling src/mame/drivers/dinoking.cpp...
Compiling src/mame/drivers/exzisisus.cpp...
Compiling src/mame/drivers/fgoal.cpp...
Compiling src/mame/drivers/flstory.cpp...
Compiling src/mame/drivers/galastrm.cpp...
Compiling src/mame/drivers/gladiatr.cpp...
Compiling src/mame/drivers/gokidetor.cpp...
Compiling src/mame/drivers/grchamp.cpp...
Compiling src/mame/drivers/groundfx.cpp...
Compiling src/mame/drivers/gsword.cpp...
Compiling src/mame/drivers/gunbustr.cpp...
Compiling src/mame/drivers/halleys.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../src/mame/drivers/halleys.cpp: In member function 'void
halleys_state::init_common()':
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
      |                                     &>(m).respool(), t, c)
      |                                     ^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      |                                     [ _num], (_num))
      |                                     ^~~~~~
../../../../src/mame/drivers/halleys.cpp:2165:8: note: in expansion of macro
'auto_alloc_array'
 2165 |   buf = auto_alloc_array(machine(), uint8_t, 0x100000);
      |         ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      | ^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
      |                                     &>(m).respool(), t, c)
      |                                     ^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      |                                     [ _num], (_num))
      |                                     ^~~~~~
../../../../src/mame/drivers/halleys.cpp:2171:8: note: in expansion of macro
'auto_alloc_array'
 2171 |   buf = auto_alloc_array(machine(), uint8_t, SCREEN_BYTESIZE * MAX_LAYERS);
      |         ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      | ^~~~~~
Compiling src/mame/drivers/invqix.cpp...
Compiling src/mame/drivers/jollyjgr.cpp...
Compiling src/mame/drivers/kikikai.cpp...
Compiling src/mame/drivers/ksayakyu.cpp...
Compiling src/mame/drivers/lgp.cpp...
Compiling src/mame/drivers/lkage.cpp...
Compiling src/mame/drivers/lasquad.cpp...
Compiling src/mame/drivers/marinedt.cpp...
Compiling src/mame/drivers/minivadr.cpp...
Compiling src/mame/drivers/missb2.cpp...
Compiling src/mame/drivers/mlanding.cpp...
Compiling src/mame/drivers/msisaac.cpp...
Compiling src/mame/drivers/ninjaw.cpp...
Compiling src/mame/drivers/nycaptor.cpp...
Compiling src/mame/drivers/opwolf.cpp...
Compiling src/mame/drivers/othunder.cpp...
Compiling src/mame/drivers/pitrun.cpp...
Compiling src/mame/drivers/qix.cpp...

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In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/drivers/qix.cpp: In member function 'void qix_state::init_kram3()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      ^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      ^~~~~
../../../../../../src/mame/drivers/qix.cpp:1420:23: note: in expansion of macro
'auto_alloc_array'
 1420 |   uint8_t *decrypted = auto_alloc_array(machine(), uint8_t, 0x6000);
      |
      ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      ^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      ^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      ^~~~~
../../../../../../src/mame/drivers/qix.cpp:1434:14: note: in expansion of macro
'auto_alloc_array'
 1434 |   decrypted = auto_alloc_array(machine(), uint8_t, 0x6000);
      |
      ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      ^~~~~~
Compiling src/mame/drivers/rastan.cpp...
Compiling src/mame/drivers/rbisland.cpp...
Compiling src/mame/drivers/retofinv.cpp...
Compiling src/mame/drivers/rollrace.cpp...
Compiling src/mame/drivers/sbowling.cpp...
Compiling src/mame/drivers/scyclone.cpp...
Compiling src/mame/drivers/slapshot.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/drivers/slapshot.cpp: In member function 'virtual void
slapshot_state::driver_init()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      ^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      ^~~~~
../../../../../../src/mame/drivers/slapshot.cpp:690:16: note: in expansion of macro
'auto_alloc_array'
   690 |   u8 *srcdata = auto_alloc_array(machine(), u8, gx0->elements() * gx0->width() * gx0-
>height());
      |
      ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      ^~~~~~

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Compiling src/mame/drivers/spdheat.cpp...
Compiling src/mame/drivers/ssrj.cpp...
Compiling src/mame/drivers/superchs.cpp...
Compiling src/mame/drivers/superqix.cpp...
Compiling src/mame/drivers/taito_b.cpp...
Compiling src/mame/drivers/taito_f2.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../src/mame/drivers/taito_f2.cpp: In member function 'void
taitof2_state::init_finalb()':
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
      |                                     &>(m).respool(), t, c)
      |                                     ^
^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      |                                     ^~~~~~
../../../../src/mame/drivers/taito_f2.cpp:5335:16: note: in expansion of macro
'auto_alloc_array'
 5335 | u8 *srcdata = auto_alloc_array(machine(), u8, gx0->elements() * gx0->width() * gx0-
      |                                     ^~~~~~
      |                                     >height());
      |                                     ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
      | &respool() { return m_respool; }
      | ^~~~~~
Compiling src/mame/drivers/taito_f3.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../src/mame/drivers/taito_f3.cpp: In member function 'void
taito_f3_state::tile_decode()':
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
      |                                     &>(m).respool(), t, c)
      |                                     ^
^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      |                                     ^~~~~~
../../../../src/mame/drivers/taito_f3.cpp:4258:13: note: in expansion of macro
'auto_alloc_array'
 4258 | srcdata = auto_alloc_array(machine(), u8, spr_gfx->elements() * spr_gfx->width() *
      |                                     ^~~~~~
      |                                     spr_gfx->height());
      |                                     ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
      | &respool() { return m_respool; }
      | ^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
      |                                     &>(m).respool(), t, c)
      |                                     ^
^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      |                                     ^~~~~~
../../../../src/mame/drivers/taito_f3.cpp:4292:13: note: in expansion of macro
'auto_alloc_array'
 4292 | srcdata = auto_alloc_array(machine(), u8, pf_gfx->elements() * pf_gfx->width() *
      |                                     ^~~~~~
      |                                     pf_gfx->height());
      |                                     ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here

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169 | [[deprecated("use smart pointers to manage object lifecycles")] resource_pool
&respool() { return m_respool; }
|
^~~~~~
Compiling src/mame/drivers/taito_h.cpp...
Compiling src/mame/drivers/taito_l.cpp...
Compiling src/mame/drivers/taito_o.cpp...
Compiling src/mame/drivers/taito_x.cpp...
Compiling src/mame/drivers/taito_z.cpp...
Compiling src/mame/drivers/taitoair.cpp...
Compiling src/mame/drivers/taitogn.cpp...
Compiling src/mame/drivers/taitojc.cpp...
Compiling src/mame/drivers/taitopjc.cpp...
Compiling src/mame/drivers/taitosj.cpp...
Compiling src/mame/drivers/taitotl.cpp...
Compiling src/mame/drivers/taitotx.cpp...
Compiling src/mame/drivers/taitotz.cpp...
Compiling src/mame/drivers/taitowlf.cpp...
Compiling src/mame/drivers/tnzs.cpp...
Compiling src/mame/drivers/topspeed.cpp...
Compiling src/mame/drivers/tsamurai.cpp...
Compiling src/mame/drivers/undrfire.cpp...
Compiling src/mame/drivers/volfied.cpp...
Compiling src/mame/drivers/warriorb.cpp...
Compiling src/mame/drivers/wgp.cpp...
Compiling src/mame/drivers/wyvern0.cpp...
Compiling src/mame/machine/arkanoid.cpp...
Compiling src/mame/machine/bublboobl.cpp...
Compiling src/mame/machine/kikikai.cpp...
Compiling src/mame/machine/lsasquad.cpp...
Compiling src/mame/machine/pitnrun.cpp...
Compiling src/mame/machine/qix.cpp...
Compiling src/mame/machine/tait8741.cpp...
Compiling src/mame/machine/taito68705interface.cpp...
Compiling src/mame/machine/taitocchip.cpp...
Compiling src/mame/machine/taitoio.cpp...
Compiling src/mame/machine/taitoio_yoke.cpp...
Compiling src/mame/machine/taitosj.cpp...
Compiling src/mame/machine/taitosjsec.cpp...
Compiling src/mame/machine/tnzs.cpp...
Compiling src/mame/video/40love.cpp...
Compiling src/mame/video/arkanoid.cpp...
Compiling src/mame/video/ashnojoe.cpp...
Compiling src/mame/video/asuka.cpp...
Compiling src/mame/video/bigevglf.cpp...
Compiling src/mame/video/bking.cpp...
Compiling src/mame/video/bublboobl.cpp...
Compiling src/mame/video/buggychl.cpp...
Compiling src/mame/video/chaknpop.cpp...
Compiling src/mame/video/changela.cpp...
Compiling src/mame/video/crbaloon.cpp...
Compiling src/mame/video/darius.cpp...
Compiling src/mame/video/exzisus.cpp...
Compiling src/mame/video/fgoal.cpp...
Compiling src/mame/video/flstory.cpp...
Compiling src/mame/video/galastrm.cpp...
Compiling src/mame/video/gladiatr.cpp...
Compiling src/mame/video/grchamp.cpp...
Compiling src/mame/video/groundfx.cpp...
Compiling src/mame/video/gsword.cpp...
Compiling src/mame/video/gunbustr.cpp...
Compiling src/mame/video/kikikai.cpp...
Compiling src/mame/video/ksayakyu.cpp...
Compiling src/mame/video/lkage.cpp...
Compiling src/mame/video/lsasquad.cpp...
Compiling src/mame/video/msisaac.cpp...
Compiling src/mame/video/ninjaw.cpp...
Compiling src/mame/video/nycaptor.cpp...
Compiling src/mame/video/othunder.cpp...
Compiling src/mame/video/pc080sn.cpp...
Compiling src/mame/video/pc090oj.cpp...
Compiling src/mame/video/pitnrun.cpp...
Compiling src/mame/video/qix.cpp...
Compiling src/mame/video/rastan.cpp...
Compiling src/mame/video/rbisland.cpp...
Compiling src/mame/video/retofinv.cpp...
Compiling src/mame/video/rollrace.cpp...

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Compiling src/mame/video/slapshot.cpp...
Compiling src/mame/video/ssrj.cpp...
Compiling src/mame/video/superchs.cpp...
Compiling src/mame/video/superqix.cpp...
Compiling src/mame/video/taito_b.cpp...
Compiling src/mame/video/taito_f2.cpp...
Compiling src/mame/video/taito_f3.cpp...
Compiling src/mame/video/taito_h.cpp...
Compiling src/mame/video/taito_helper.cpp...
Compiling src/mame/video/taito_l.cpp...
Compiling src/mame/video/taito_o.cpp...
Compiling src/mame/video/taito_z.cpp...
Compiling src/mame/video/taitoair.cpp...
Compiling src/mame/video/taitojc.cpp...
Compiling src/mame/video/taitosj.cpp...
Compiling src/mame/video/tc0080vco.cpp...
Compiling src/mame/video/tc0100scn.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../src/mame/video/tc0100scn.cpp: In member function 'virtual void
tc0620scn_device::device_start()':
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
      |                                     &>(m).respool(), t, c)
      |
^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      |                                     [ _num], (_num))
      |
../../../../src/mame/video/tc0100scn.cpp:353:16: note: in expansion of macro
'auto_alloc_array'
   353 | u8 *srcdata = auto_alloc_array(machine(), u8, gx0->elements() * gx0->width() * gx0-
      | >height());
      |
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
      | &respool() { return m_respool; }
      |
^~~~~~
Compiling src/mame/video/tc0110pcr.cpp...
Compiling src/mame/video/tc0150rod.cpp...
Compiling src/mame/video/tc0180vcu.cpp...
Compiling src/mame/video/tc0280grd.cpp...
Compiling src/mame/video/tc0360pri.cpp...
Compiling src/mame/video/tc0480scp.cpp...
Compiling src/mame/video/tc0780fpa.cpp...
Compiling src/mame/video/tnzs.cpp...
Compiling src/mame/video/topspeed.cpp...
Compiling src/mame/video/tsamurai.cpp...
Compiling src/mame/video/undrfire.cpp...
Compiling src/mame/video/volfied.cpp...
Compiling src/mame/video/warriorb.cpp...
Compiling src/mame/video/wgp.cpp...
Archiving libtaito.a...
Compiling src/mame/audio/tx1.cpp...
Compiling src/mame/drivers/kingdrby.cpp...
Compiling src/mame/drivers/lockon.cpp...
Compiling src/mame/drivers/tatsumi.cpp...
Compiling src/mame/drivers/tx1.cpp...
Compiling src/mame/machine/tatsumi.cpp...
Compiling src/mame/machine/tx1.cpp...
Compiling src/mame/video/lockon.cpp...
Compiling src/mame/video/tatsumi.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../src/mame/video/tatsumi.cpp: In member function 'void
cyclwarr_state::tile_expand()':
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
      |                                     &>(m).respool(), t, c)
      |
^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'

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    31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[ _num], (_num))
      |
      | ^~~~~
../.../.../src/mame/video/tatsumi.cpp:1111:12: note: in expansion of macro
'auto_alloc_array'
    1111 | srcdata = auto_alloc_array(machine(), uint8_t, gx0->elements() * gx0->width() * gx0-
>height());
      |
      | ^~~~~~
In file included from ../.../.../src/emu/emu.h:87:
../.../.../src/emu/machine.h:169:82: note: declared here
    169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      | ^~~~~~
Compiling src/mame/video/txl.cpp...
Archiving libtatsumi.a...
Compiling src/mame/drivers/kickgoal.cpp...
Compiling src/mame/drivers/littlerb.cpp...
Compiling src/mame/drivers/rltennis.cpp...
Compiling src/mame/drivers/speedspn.cpp...
Compiling src/mame/drivers/wheelfir.cpp...
Compiling src/mame/video/kickgoal.cpp...
Compiling src/mame/video/rltennis.cpp...
Compiling src/mame/video/speedspn.cpp...
Archiving libtch.a...
Compiling src/mame/drivers/ambush.cpp...
Compiling src/mame/drivers/holeland.cpp...
Compiling src/mame/drivers/sauro.cpp...
Compiling src/mame/drivers/speedbal.cpp...
Compiling src/mame/video/holeland.cpp...
Compiling src/mame/video/sauro.cpp...
Compiling src/mame/video/speedbal.cpp...
Archiving libtecfri.a...
Compiling src/mame/drivers/battlane.cpp...
Compiling src/mame/drivers/blockout.cpp...
Compiling src/mame/drivers/bogeyman.cpp...
Compiling src/mame/drivers/chinagat.cpp...
Compiling src/mame/drivers/ddragon.cpp...
Compiling src/mame/drivers/ddragon3.cpp...
Compiling src/mame/drivers/dogfgt.cpp...
Compiling src/mame/drivers/matmania.cpp...
Compiling src/mame/drivers/mystston.cpp...
Compiling src/mame/drivers/renegade.cpp...
Compiling src/mame/drivers/scregg.cpp...
Compiling src/mame/drivers/shadfrce.cpp...
Compiling src/mame/drivers/spdodgeb.cpp...
Compiling src/mame/drivers/ssozumo.cpp...
Compiling src/mame/drivers/tagteam.cpp...
Compiling src/mame/drivers/vball.cpp...
Compiling src/mame/drivers/wwfsstar.cpp...
Compiling src/mame/drivers/xain.cpp...
Compiling src/mame/video/battlane.cpp...
Compiling src/mame/video/blockout.cpp...
Compiling src/mame/video/bogeyman.cpp...
Compiling src/mame/video/ddragon.cpp...
Compiling src/mame/video/ddragon3.cpp...
Compiling src/mame/video/dogfgt.cpp...
Compiling src/mame/video/matmania.cpp...
Compiling src/mame/video/mystston.cpp...
Compiling src/mame/video/renegade.cpp...
Compiling src/mame/video/shadfrce.cpp...
Compiling src/mame/video/spdodgeb.cpp...
Compiling src/mame/video/ssozumo.cpp...
Compiling src/mame/video/tagteam.cpp...
Compiling src/mame/video/vball.cpp...
Compiling src/mame/video/wwfsstar.cpp...
Compiling src/mame/video/xain.cpp...
Archiving libtechnos.a...
Compiling src/mame/audio/senjyo.cpp...
Compiling src/mame/drivers/bombjack.cpp...
Compiling src/mame/drivers/gaiden.cpp...
Compiling src/mame/drivers/lvcards.cpp...
Compiling src/mame/drivers/pbaction.cpp...
Compiling src/mame/drivers/senjyo.cpp...
Compiling src/mame/drivers/solomon.cpp...
Compiling src/mame/drivers/spbactn.cpp...
Compiling src/mame/drivers/tbowl.cpp...

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Compiling src/mame/drivers/tecmo.cpp...
Compiling src/mame/drivers/tecmol6.cpp...
Compiling src/mame/drivers/tecmosys.cpp...
Compiling src/mame/drivers/tehkanwc.cpp...
Compiling src/mame/drivers/wc90.cpp...
Compiling src/mame/drivers/wc90b.cpp...
Compiling src/mame/machine/tecmosys.cpp...
Compiling src/mame/video/bombjack.cpp...
Compiling src/mame/video/gaiden.cpp...
Compiling src/mame/video/lvcards.cpp...
Compiling src/mame/video/pbaction.cpp...
Compiling src/mame/video/senjyo.cpp...
Compiling src/mame/video/solomon.cpp...
Compiling src/mame/video/spbactn.cpp...
Compiling src/mame/video/tbowl.cpp...
Compiling src/mame/video/tecmo.cpp...
Compiling src/mame/video/tecmol6.cpp...
Compiling src/mame/video/tecmo_mix.cpp...
Compiling src/mame/video/tecmo_spr.cpp...
Compiling src/mame/video/tecmosys.cpp...
Compiling src/mame/video/tehkanwc.cpp...
Compiling src/mame/video/wc90.cpp...
Compiling src/mame/video/wc90b.cpp...
Archiving libtehkan.a...
Compiling src/mame/audio/tiamcl.cpp...
Compiling src/mame/drivers/istrebiteli.cpp...
Compiling src/mame/drivers/tiamcl.cpp...
Compiling src/mame/video/tiamcl.cpp...
Archiving libterminal.a...
Compiling src/mame/drivers/theplit.cpp...
Compiling src/mame/drivers/timelimt.cpp...
Compiling src/mame/video/theplit.cpp...
Compiling src/mame/video/timelimt.cpp...
Archiving libtheplit.a...
Compiling src/mame/drivers/mjsister.cpp...
Compiling src/mame/drivers/slapfght.cpp...
Compiling src/mame/drivers/snowbros.cpp...
Compiling src/mame/drivers/toaplan1.cpp...
Compiling src/mame/drivers/toaplan2.cpp...
Compiling src/mame/drivers/twincobr.cpp...
Compiling src/mame/drivers/wardner.cpp...
Compiling src/mame/machine/slapfght.cpp...
Compiling src/mame/machine/toaplan1.cpp...
Compiling src/mame/machine/twincobr.cpp...
Compiling src/mame/video/gp9001.cpp...
Compiling src/mame/video/kan_pand.cpp...
Compiling src/mame/video/slapfght.cpp...
Compiling src/mame/video/snowbros.cpp...
Compiling src/mame/video/toaplan1.cpp...
Compiling src/mame/video/toaplan2.cpp...
Compiling src/mame/video/toaplan_scu.cpp...
Compiling src/mame/video/twincobr.cpp...
Archiving libtoaplan.a...
Compiling src/mame/drivers/drgnmst.cpp...
Compiling src/mame/drivers/goori.cpp...
Compiling src/mame/drivers/silkroad.cpp...
Compiling src/mame/drivers/unianapc.cpp...
Compiling src/mame/drivers/unico.cpp...
Compiling src/mame/video/drgnmst.cpp...
Compiling src/mame/video/silkroad.cpp...
Compiling src/mame/video/unico.cpp...
Archiving libunico.a...
Compiling src/mame/audio/cheekyms.cpp...
Compiling src/mame/audio/nl_cheekyms.cpp...
Compiling src/mame/drivers/cheekyms.cpp...
Compiling src/mame/drivers/cosmic.cpp...
Compiling src/mame/drivers/docastle.cpp...
Compiling src/mame/drivers/ladybug.cpp...
Compiling src/mame/drivers/mrdo.cpp...
Compiling src/mame/drivers/redclash.cpp...
Compiling src/mame/drivers/superdq.cpp...
Compiling src/mame/machine/docastle.cpp...
Compiling src/mame/video/cheekyms.cpp...
Compiling src/mame/video/cosmic.cpp...
Compiling src/mame/video/docastle.cpp...
Compiling src/mame/video/ladybug.cpp...
Compiling src/mame/video/mrdo.cpp...

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Compiling src/mame/video/redclash.cpp...
Archiving libunivers.a...
Compiling src/mame/drivers/mouser.cpp...
Compiling src/mame/drivers/ninjakd2.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/drivers/ninjakd2.cpp: In member function 'void
ninjakd2_state::ninjakd2_init_samples()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
^~~~~~
../../../../../../src/mame/drivers/ninjakd2.cpp:186:24: note: in expansion of macro
'auto_alloc_array'
  186 | int16_t* sampledata = auto_alloc_array(machine(), int16_t, length);
      |
^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
  169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
Compiling src/mame/drivers/nova2001.cpp...
Compiling src/mame/drivers/xxmissio.cpp...
Compiling src/mame/video/mouser.cpp...
Compiling src/mame/video/ninjakd2.cpp...
Compiling src/mame/video/nova2001.cpp...
Compiling src/mame/video/xxmissio.cpp...
Archiving libupl.a...
Compiling src/mame/drivers/bagman.cpp...
Compiling src/mame/drivers/tankbust.cpp...
Compiling src/mame/machine/bagman.cpp...
Compiling src/mame/video/bagman.cpp...
Compiling src/mame/video/tankbust.cpp...
Archiving libvaladon.a...
Compiling src/mame/drivers/looping.cpp...
Compiling src/mame/drivers/spcforce.cpp...
Compiling src/mame/drivers/suprridr.cpp...
Compiling src/mame/video/spcforce.cpp...
Compiling src/mame/video/suprridr.cpp...
Archiving libventure.a...
Compiling src/mame/drivers/aerofgt.cpp...
Compiling src/mame/drivers/crshrace.cpp...
Compiling src/mame/drivers/flgp.cpp...
Compiling src/mame/drivers/fromanc2.cpp...
Compiling src/mame/drivers/fromance.cpp...
Compiling src/mame/drivers/gstriker.cpp...
Compiling src/mame/drivers/inufuku.cpp...
Compiling src/mame/drivers/ojankohs.cpp...
Compiling src/mame/drivers/pipedrm.cpp...
Compiling src/mame/drivers/rpunch.cpp...
Compiling src/mame/drivers/suprslam.cpp...
Compiling src/mame/drivers/taol2nos.cpp...
Compiling src/mame/drivers/taotaido.cpp...
Compiling src/mame/drivers/welltris.cpp...
Compiling src/mame/machine/vs9209.cpp...
Compiling src/mame/video/aerofgt.cpp...
Compiling src/mame/video/crshrace.cpp...
Compiling src/mame/video/flgp.cpp...
Compiling src/mame/video/fromanc2.cpp...
Compiling src/mame/video/fromance.cpp...
Compiling src/mame/video/gstriker.cpp...
Compiling src/mame/video/inufuku.cpp...
Compiling src/mame/video/mb60553.cpp...
Compiling src/mame/video/ojankohs.cpp...
Compiling src/mame/video/rpunch.cpp...
Compiling src/mame/video/suprslam.cpp...
Compiling src/mame/video/taol2nos.cpp...
Compiling src/mame/video/taotaido.cpp...
Compiling src/mame/video/vs920a.cpp...
Compiling src/mame/video/vssystem_gga.cpp...

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Compiling src/mame/video/vsystem_spr.cpp...
Compiling src/mame/video/vsystem_spr2.cpp...
Compiling src/mame/video/welltris.cpp...
Archiving libvsystem.a...
Compiling src/mame/drivers/luckgrln.cpp...
Compiling src/mame/drivers/lucky37.cpp...
Compiling src/mame/drivers/lucky74.cpp...
Compiling src/mame/drivers/pinkiri8.cpp...
Compiling src/mame/drivers/slotcarn.cpp...
Compiling src/mame/drivers/superwng.cpp...
Compiling src/mame/video/lucky74.cpp...
Archiving libwing.a...
Compiling src/mame/drivers/nmg5.cpp...
Compiling src/mame/drivers/paradise.cpp...
Compiling src/mame/drivers/yunsun16.cpp...
Compiling src/mame/drivers/yunsung8.cpp...
Compiling src/mame/video/paradise.cpp...
Compiling src/mame/video/yunsun16.cpp...
Compiling src/mame/video/yunsung8.cpp...
Archiving libyunsung.a...
Compiling src/mame/audio/laserbat.cpp...
Compiling src/mame/audio/nl_zac1b1142.cpp...
Compiling src/mame/audio/zaccaria.cpp...
Compiling src/mame/drivers/laserbat.cpp...
Compiling src/mame/drivers/seabattl.cpp...
Compiling src/mame/drivers/zac2650.cpp...
Compiling src/mame/drivers/zaccaria.cpp...
Compiling src/mame/video/laserbat.cpp...
Compiling src/mame/video/zac2650.cpp...
Compiling src/mame/video/zaccaria.cpp...
Archiving libzaccaria.a...
Compiling src/mame/audio/aztarac.cpp...
Compiling src/mame/audio/flower.cpp...
Compiling src/mame/audio/micro3d.cpp...
Compiling src/mame/audio/nl_cocoloco.cpp...
Compiling src/mame/audio/norautp.cpp...
Compiling src/mame/audio/polyplay.cpp...
Compiling src/mame/audio/special.cpp...
Compiling src/mame/drivers/39in1.cpp...
Compiling src/mame/drivers/3do.cpp...
Compiling src/mame/drivers/4enlinea.cpp...
Compiling src/mame/drivers/4enraya.cpp...
Compiling src/mame/drivers/5clown.cpp...
Compiling src/mame/drivers/alsupply.cpp...
Compiling src/mame/drivers/acefruit.cpp...
Compiling src/mame/drivers/aces1.cpp...
Compiling src/mame/drivers/acesp.cpp...
Compiling src/mame/drivers/age_candy.cpp...
Compiling src/mame/drivers/alinvade.cpp...
Compiling src/mame/drivers/amaticmg.cpp...
Compiling src/mame/drivers/amerihok.cpp...
Compiling src/mame/drivers/ampoker2.cpp...
Compiling src/mame/drivers/amspdwj.cpp...
Compiling src/mame/drivers/amusco.cpp...
Compiling src/mame/drivers/anes.cpp...
Compiling src/mame/drivers/arachnid.cpp...
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Compiling src/mame/drivers/atronic.cpp...
Compiling src/mame/drivers/attckufo.cpp...
Compiling src/mame/drivers/avt.cpp...
Compiling src/mame/drivers/aztarac.cpp...
Compiling src/mame/drivers/bailey.cpp...
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Compiling src/mame/drivers/belatra.cpp...
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Compiling src/mame/drivers/bingoman.cpp...
Compiling src/mame/drivers/bingor.cpp...
Compiling src/mame/drivers/blitz68k.cpp...
Compiling src/mame/drivers/blocktax.cpp...
Compiling src/mame/drivers/bntyhunt.cpp...
Compiling src/mame/drivers/buster.cpp...
Compiling src/mame/drivers/calomega.cpp...
Compiling src/mame/drivers/cardline.cpp...

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Compiling src/mame/drivers/carrera.cpp...
Compiling src/mame/drivers/castle.cpp...
Compiling src/mame/drivers/cave.cpp...
Compiling src/mame/drivers/cavepc.cpp...
Compiling src/mame/drivers/cb2001.cpp...
Compiling src/mame/drivers/cdi.cpp...
Compiling src/mame/drivers/chameleonx1.cpp...
Compiling src/mame/drivers/chance32.cpp...
Compiling src/mame/drivers/changyu.cpp...
Compiling src/mame/drivers/chexx.cpp...
Compiling src/mame/drivers/chicago.cpp...
Compiling src/mame/drivers/chsuper.cpp...
Compiling src/mame/drivers/clowndwn.cpp...
Compiling src/mame/drivers/clpoker.cpp...
Compiling src/mame/drivers/cocoloco.cpp...
Compiling src/mame/drivers/coinmstr.cpp...
Compiling src/mame/drivers/coinmvg.cpp...
Compiling src/mame/drivers/comebaby.cpp...
Compiling src/mame/drivers/coolpool.cpp...
Compiling src/mame/drivers/corona.cpp...
Compiling src/mame/drivers/cowtipping.cpp...
Compiling src/mame/drivers/crazybal.cpp...
Compiling src/mame/drivers/cromptons.cpp...
Compiling src/mame/drivers/crospuzl.cpp...
Compiling src/mame/drivers/crystal.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/drivers/crystal.cpp: In member function 'virtual void
crystal_state::machine_start()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)          pool_alloc_array(static_cast<running_machine
      |                                     &>(m).respool(), t, c)
      |                                     ^
^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      |                                     [ _num], (_num))
      |                                     ^~~~~~
../../../../../../src/mame/drivers/crystal.cpp:368:27: note: in expansion of macro
'auto_alloc_array'
   368 |     uint8_t *dummy_region = auto_alloc_array(machine(), uint8_t, 0x1000000);
      |                             ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |                                     ^~~~~~
Compiling src/mame/drivers/cubeqst.cpp...
Compiling src/mame/drivers/cupidon.cpp...
Compiling src/mame/drivers/cv1k.cpp...
Compiling src/mame/drivers/cwheel.cpp...
Compiling src/mame/drivers/cybertnk.cpp...
Compiling src/mame/drivers/daryde.cpp...
Compiling src/mame/drivers/dcheese.cpp...
Compiling src/mame/drivers/ddz.cpp...
Compiling src/mame/drivers/dfruit.cpp...
Compiling src/mame/drivers/dgpix.cpp...
Compiling src/mame/drivers/discoboy.cpp...
Compiling src/mame/drivers/dominob.cpp...
Compiling src/mame/drivers/dorachan.cpp...
Compiling src/mame/drivers/drdmania.cpp...
Compiling src/mame/drivers/dreamwld.cpp...
Compiling src/mame/drivers/dribling.cpp...
Compiling src/mame/drivers/dwarfd.cpp...
Compiling src/mame/drivers/dynadice.cpp...
Compiling src/mame/drivers/dynamoah.cpp...
Compiling src/mame/drivers/ecoinf1.cpp...
Compiling src/mame/drivers/ecoinf2.cpp...
Compiling src/mame/drivers/ecoinf3.cpp...
Compiling src/mame/drivers/ecoinfr.cpp...
Compiling src/mame/drivers/efdt.cpp...
Compiling src/mame/drivers/electra.cpp...
Compiling src/mame/drivers/epos.cpp...
Compiling src/mame/drivers/esd16.cpp...
Compiling src/mame/drivers/esh.cpp...

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Compiling src/mame/drivers/esripsys.cpp...
Compiling src/mame/drivers/ettrivia.cpp...
Compiling src/mame/drivers/extrema.cpp...
Compiling src/mame/drivers/ez2d.cpp...
Compiling src/mame/drivers/fastinvaders.cpp...
Compiling src/mame/drivers/fireball.cpp...
Compiling src/mame/drivers/flipjack.cpp...
Compiling src/mame/drivers/flower.cpp...
Compiling src/mame/drivers/fortecar.cpp...
Compiling src/mame/drivers/freekick.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../src/mame/drivers/freekick.cpp: In member function 'void
freekick_state::init_pbillrds()':
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
../../../../src/mame/drivers/freekick.cpp:1602:31: note: in expansion of macro
'auto_alloc_array'
 1602 |   uint8_t *decrypted_opcodes = auto_alloc_array(machine(), uint8_t, 0x10000);
      |                               ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
  169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../src/mame/drivers/freekick.cpp: In member function 'void
freekick_state::init_gigas()':
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
../../../../src/mame/drivers/freekick.cpp:1618:31: note: in expansion of macro
'auto_alloc_array'
 1618 |   uint8_t *decrypted_opcodes = auto_alloc_array(machine(), uint8_t, 0xc000);
      |                               ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
  169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
Compiling src/mame/drivers/freeway.cpp...
Compiling src/mame/drivers/fresh.cpp...
Compiling src/mame/drivers/fungames.cpp...
Compiling src/mame/drivers/funkball.cpp...
Compiling src/mame/drivers/galaxi.cpp...
Compiling src/mame/drivers/galgame.cpp...
Compiling src/mame/drivers/gamb1186.cpp...
Compiling src/mame/drivers/gamecstl.cpp...
Compiling src/mame/drivers/gamemasters.cpp...
Compiling src/mame/drivers/gammagic.cpp...
Compiling src/mame/drivers/gamtor.cpp...
Compiling src/mame/drivers/gei.cpp...
Compiling src/mame/drivers/globalfr.cpp...
Compiling src/mame/drivers/globalvr.cpp...
Compiling src/mame/drivers/gluck2.cpp...
Compiling src/mame/drivers/goldngam.cpp...
Compiling src/mame/drivers/goldnpr.cpp...
Compiling src/mame/drivers/good.cpp...
Compiling src/mame/drivers/gotcha.cpp...

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Compiling src/mame/drivers/gsspade.cpp...
Compiling src/mame/drivers/gumbo.cpp...
Compiling src/mame/drivers/gunpey.cpp...
Compiling src/mame/drivers/hapyfish.cpp...
Compiling src/mame/drivers/hazelgr.cpp...
Compiling src/mame/drivers/headonb.cpp...
Compiling src/mame/drivers/hideseek.cpp...
Compiling src/mame/drivers/highvdeo.cpp...
Compiling src/mame/drivers/hitpoker.cpp...
Compiling src/mame/drivers/hobbyplay.cpp...
Compiling src/mame/drivers/homedata.cpp...
Compiling src/mame/drivers/hotblock.cpp...
Compiling src/mame/drivers/hotstuff.cpp...
Compiling src/mame/drivers/ice_bozopail.cpp...
Compiling src/mame/drivers/ice_tbd.cpp...
Compiling src/mame/drivers/ichiban.cpp...
Compiling src/mame/drivers/imolagp.cpp...
Compiling src/mame/drivers/intrsrcti.cpp...
Compiling src/mame/drivers/island.cpp...
Compiling src/mame/drivers/istellar.cpp...
Compiling src/mame/drivers/itgaml2.cpp...
Compiling src/mame/drivers/itgaml3.cpp...
Compiling src/mame/drivers/itgamble.cpp...
Compiling src/mame/drivers/jackpool.cpp...
Compiling src/mame/drivers/jackpot.cpp...
Compiling src/mame/drivers/jankenmn.cpp...
Compiling src/mame/drivers/jokrwild.cpp...
Compiling src/mame/drivers/joystand.cpp...
Compiling src/mame/drivers/jubilee.cpp...
Compiling src/mame/drivers/jungleyo.cpp...
Compiling src/mame/drivers/kas89.cpp...
Compiling src/mame/drivers/kingpin.cpp...
Compiling src/mame/drivers/kurukuru.cpp...
Compiling src/mame/drivers/kyugo.cpp...
Compiling src/mame/drivers/ladyfrog.cpp...
Compiling src/mame/drivers/laserbas.cpp...
Compiling src/mame/drivers/laz_aftrshok.cpp...
Compiling src/mame/drivers/laz_ribrac.cpp...
Compiling src/mame/drivers/lethalj.cpp...
Compiling src/mame/drivers/limenko.cpp...
Compiling src/mame/drivers/ltcasino.cpp...
Compiling src/mame/drivers/luckybal.cpp...
Compiling src/mame/drivers/magic10.cpp...
Compiling src/mame/drivers/magicard.cpp...
Compiling src/mame/drivers/magicfly.cpp...
Compiling src/mame/drivers/magictg.cpp...
Compiling src/mame/drivers/magreel.cpp...
Compiling src/mame/drivers/magtouch.cpp...
Compiling src/mame/drivers/majorpkr.cpp...
Compiling src/mame/drivers/malzak.cpp...
Compiling src/mame/drivers/marywu.cpp...
Compiling src/mame/drivers/matrix.cpp...
Compiling src/mame/drivers/mcatadv.cpp...
Compiling src/mame/drivers/megaphx.cpp...
Compiling src/mame/drivers/menghong.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/drivers/menghong.cpp: In member function 'virtual void
menghong_state::machine_start()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
      |                                     &>(m).respool(), t, c)
      |                                     ^
^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      |                                                  ^~~~~~
../../../../../../src/mame/drivers/menghong.cpp:343:27: note: in expansion of macro
'auto_alloc_array'
   343 |     uint8_t *dummy_region = auto_alloc_array(machine(), uint8_t, 0x1000000);
      |                             ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }

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Compiling src/mame/drivers/meyc8080.cpp...
Compiling src/mame/drivers/meyc8088.cpp...
Compiling src/mame/drivers/mgavegas.cpp...
Compiling src/mame/drivers/micro3d.cpp...
Compiling src/mame/drivers/microdar.cpp...
Compiling src/mame/drivers/midas.cpp...
Compiling src/mame/drivers/mil4000.cpp...
Compiling src/mame/drivers/miniboy7.cpp...
Compiling src/mame/drivers/minivideo.cpp...
Compiling src/mame/drivers/mirax.cpp...
Compiling src/mame/drivers/missbamby.cpp...
Compiling src/mame/drivers/mjsenpu.cpp...
Compiling src/mame/drivers/mole.cpp...
Compiling src/mame/drivers/mosaic.cpp...
Compiling src/mame/drivers/mpu12wbk.cpp...
Compiling src/mame/drivers/multfish.cpp...
Compiling src/mame/drivers/multfish_boot.cpp...
Compiling src/mame/drivers/murogem.cpp...
Compiling src/mame/drivers/murogmb1.cpp...
Compiling src/mame/drivers/neoprint.cpp...
Compiling src/mame/drivers/neptunp2.cpp...
Compiling src/mame/drivers/news.cpp...
Compiling src/mame/drivers/nexus3d.cpp...
Compiling src/mame/drivers/nibble.cpp...
Compiling src/mame/drivers/norautp.cpp...
Compiling src/mame/drivers/notechan.cpp...
Compiling src/mame/drivers/nsg6809.cpp...
Compiling src/mame/drivers/nsmpoker.cpp...
Compiling src/mame/drivers/odyssey.cpp...
Compiling src/mame/drivers/oneshot.cpp...
Compiling src/mame/drivers/onetwo.cpp...
Compiling src/mame/drivers/othello.cpp...
Compiling src/mame/drivers/pachifev.cpp...
Compiling src/mame/drivers/pasha2.cpp...
Compiling src/mame/drivers/pass.cpp...
Compiling src/mame/drivers/photon.cpp...
Compiling src/mame/drivers/photon2.cpp...
Compiling src/mame/drivers/photoply.cpp...
Compiling src/mame/drivers/photoplysx.cpp...
Compiling src/mame/drivers/piggypas.cpp...
Compiling src/mame/drivers/pipeline.cpp...
Compiling src/mame/drivers/pkscram.cpp...
Compiling src/mame/drivers/pntnpuz1.cpp...
Compiling src/mame/drivers/poker72.cpp...
Compiling src/mame/drivers/pokerout.cpp...
Compiling src/mame/drivers/policetr.cpp...
Compiling src/mame/drivers/polyplay.cpp...
Compiling src/mame/drivers/potgoldu.cpp...
Compiling src/mame/drivers/proconn.cpp...
Compiling src/mame/drivers/psattack.cpp...
Compiling src/mame/drivers/pse.cpp...
Compiling src/mame/drivers/quizo.cpp...
Compiling src/mame/drivers/quizpun2.cpp...
Compiling src/mame/drivers/rbmk.cpp...
Compiling src/mame/drivers/rcorsair.cpp...
Compiling src/mame/drivers/re900.cpp...
Compiling src/mame/drivers/rfslots8085.cpp...
Compiling src/mame/drivers/rfslotspcpent.cpp...
Compiling src/mame/drivers/rgum.cpp...
Compiling src/mame/drivers/roul.cpp...
Compiling src/mame/drivers/rulechan.cpp...
Compiling src/mame/drivers/sanremmg.cpp...
Compiling src/mame/drivers/sanremo.cpp...
Compiling src/mame/drivers/savquest.cpp...
Compiling src/mame/drivers/scm_500.cpp...
Compiling src/mame/drivers/sealy.cpp...
Compiling src/mame/drivers/sealy_fr.cpp...
Compiling src/mame/drivers/sfbonus.cpp...
Compiling src/mame/drivers/shangkid.cpp...
Compiling src/mame/drivers/skeetsht.cpp...
Compiling src/mame/drivers/skimaxx.cpp...
Compiling src/mame/drivers/skopro.cpp...
Compiling src/mame/drivers/skyarmy.cpp...
Compiling src/mame/drivers/skylncr.cpp...
Compiling src/mame/drivers/sliver.cpp...

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Compiling src/mame/drivers/smotor.cpp...
Compiling src/mame/drivers/smsmcorp.cpp...
Compiling src/mame/drivers/sothello.cpp...
Compiling src/mame/drivers/special_gambl.cpp...
Compiling src/mame/drivers/spool99.cpp...
Compiling src/mame/drivers/sprcros2.cpp...
Compiling src/mame/drivers/sshot.cpp...
Compiling src/mame/drivers/ssingles.cpp...
Compiling src/mame/drivers/sstrangr.cpp...
Compiling src/mame/drivers/startouch.cpp...
Compiling src/mame/drivers/statriv2.cpp...
Compiling src/mame/drivers/strkzn.cpp...
Compiling src/mame/drivers/stuntair.cpp...
Compiling src/mame/drivers/su2000.cpp...
Compiling src/mame/drivers/subhuntr.cpp...
Compiling src/mame/drivers/summit.cpp...
Compiling src/mame/drivers/sumt8035.cpp...
Compiling src/mame/drivers/supercrd.cpp...
Compiling src/mame/drivers/supertnk.cpp...
Compiling src/mame/drivers/tapatune.cpp...
Compiling src/mame/drivers/tattack.cpp...
Compiling src/mame/drivers/taxidriv.cpp...
Compiling src/mame/drivers/teamjocs.cpp...
Compiling src/mame/drivers/tecnodar.cpp...
Compiling src/mame/drivers/thayers.cpp...
Compiling src/mame/drivers/thedeep.cpp...
Compiling src/mame/drivers/tickee.cpp...
Compiling src/mame/drivers/tmspoker.cpp...
Compiling src/mame/drivers/triviaquiz.cpp...
Compiling src/mame/drivers/trivrus.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../src/mame/drivers/trivrus.cpp: In member function 'virtual void
trivrus_state::machine_start()':
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
../../../../src/mame/drivers/trivrus.cpp:192:27: note: in expansion of macro
'auto_alloc_array'
   192 |     uint8_t *dummy_region = auto_alloc_array(machine(), uint8_t, 0x1000000);
      |                             ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
Compiling src/mame/drivers/truco.cpp...
Compiling src/mame/drivers/trucocl.cpp...
Compiling src/mame/drivers/trvmadns.cpp...
Compiling src/mame/drivers/trvquest.cpp...
Compiling src/mame/drivers/ttchamp.cpp...
Compiling src/mame/drivers/tugboat.cpp...
Compiling src/mame/drivers/tvg01.cpp...
Compiling src/mame/drivers/umipoker.cpp...
Compiling src/mame/drivers/unkhorse.cpp...
Compiling src/mame/drivers/unkpoker.cpp...
Compiling src/mame/drivers/usbilliards.cpp...
Compiling src/mame/drivers/usgames.cpp...
Compiling src/mame/drivers/v0bowl.cpp...
Compiling src/mame/drivers/vamphalf.cpp...
Compiling src/mame/drivers/vcombat.cpp...
Compiling src/mame/drivers/vectrex.cpp...
Compiling src/mame/drivers/video21.cpp...
Compiling src/mame/drivers/videosaa.cpp...
Compiling src/mame/drivers/vlc.cpp...
Compiling src/mame/drivers/voyager.cpp...
Compiling src/mame/drivers/vp101.cpp...
Compiling src/mame/drivers/vpoker.cpp...
Compiling src/mame/drivers/vroulet.cpp...

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Compiling src/mame/drivers/wildpkr.cpp...
Compiling src/mame/drivers/winbingo.cpp...
Compiling src/mame/drivers/wms.cpp...
Compiling src/mame/drivers/xtom3d.cpp...
Compiling src/mame/drivers/xyonix.cpp...
Compiling src/mame/drivers/yuvomz80.cpp...
Compiling src/mame/machine/3do.cpp...
Compiling src/mame/machine/cdicdic.cpp...
Compiling src/mame/machine/cdislavehle.cpp...
Compiling src/mame/machine/inder_sb.cpp...
Compiling src/mame/machine/inder_vid.cpp...
Compiling src/mame/machine/micro3d.cpp...
Compiling src/mame/machine/vectrex.cpp...
Compiling src/mame/video/4enraya.cpp...
Compiling src/mame/video/ampoker2.cpp...
Compiling src/mame/video/amspdwy.cpp...
Compiling src/mame/video/artmagic.cpp...
Compiling src/mame/video/aztarac.cpp...
Compiling src/mame/video/calomega.cpp...
Compiling src/mame/video/cave.cpp...
Compiling src/mame/video/dcheese.cpp...
Compiling src/mame/video/dribling.cpp...
Compiling src/mame/video/epos.cpp...
Compiling src/mame/video/esdl6.cpp...
Compiling src/mame/video/esripsys.cpp...
Compiling src/mame/video/freekick.cpp...
Compiling src/mame/video/gotcha.cpp...
Compiling src/mame/video/gumbo.cpp...
Compiling src/mame/video/homedata.cpp...
Compiling src/mame/video/kyugo.cpp...
Compiling src/mame/video/ladyfrog.cpp...
Compiling src/mame/video/lethalj.cpp...
Compiling src/mame/video/malzak.cpp...
Compiling src/mame/video/mcatadv.cpp...
Compiling src/mame/video/mcd212.cpp...
Compiling src/mame/video/micro3d.cpp...
Compiling src/mame/video/mosaic.cpp...
Compiling src/mame/video/news.cpp...
Compiling src/mame/video/oneshot.cpp...
Compiling src/mame/video/pass.cpp...
Compiling src/mame/video/pk8000.cpp...
Compiling src/mame/video/policetr.cpp...
Compiling src/mame/video/polyplay.cpp...
Compiling src/mame/video/shangkid.cpp...
Compiling src/mame/video/taxidriv.cpp...
Compiling src/mame/video/thedeep.cpp...
Compiling src/mame/video/truco.cpp...
Compiling src/mame/video/trucocl.cpp...
Compiling src/mame/video/usgames.cpp...
Compiling src/mame/video/vectrex.cpp...
Archiving libmisc.a...
Compiling src/mame/audio/bally.cpp...
Compiling src/mame/audio/pinsnd88.cpp...
Compiling src/mame/audio/s11c_bg.cpp...
Compiling src/mame/audio/wpcsnd.cpp...
Compiling src/mame/drivers/allied.cpp...
Compiling src/mame/drivers/alvg.cpp...
Compiling src/mame/drivers/atari_s1.cpp...
Compiling src/mame/drivers/atari_s2.cpp...
Compiling src/mame/drivers/barni.cpp...
Compiling src/mame/drivers/bingo.cpp...
Compiling src/mame/drivers/by17.cpp...
Compiling src/mame/drivers/by35.cpp...
Compiling src/mame/drivers/by6803.cpp...
Compiling src/mame/drivers/by68701.cpp...
Compiling src/mame/drivers/byvid.cpp...
Compiling src/mame/drivers/capcom.cpp...
Compiling src/mame/drivers/de_2.cpp...
Compiling src/mame/drivers/de_3.cpp...
Compiling src/mame/drivers/de_3b.cpp...
Compiling src/mame/drivers/flicker.cpp...
Compiling src/mame/drivers/g627.cpp...
Compiling src/mame/drivers/gp_1.cpp...
Compiling src/mame/drivers/gp_2.cpp...
Compiling src/mame/drivers/gts1.cpp...
Compiling src/mame/drivers/gts3.cpp...
Compiling src/mame/drivers/gts3a.cpp...

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Compiling src/mame/drivers/gts80.cpp...
Compiling src/mame/drivers/gts80a.cpp...
Compiling src/mame/drivers/gts80b.cpp...
Compiling src/mame/drivers/hankin.cpp...
Compiling src/mame/drivers/icecold.cpp...
Compiling src/mame/drivers/idsa.cpp...
Compiling src/mame/drivers/inder.cpp...
Compiling src/mame/drivers/inderp.cpp...
Compiling src/mame/drivers/jeutel.cpp...
Compiling src/mame/drivers/joctrionic.cpp...
Compiling src/mame/drivers/jp.cpp...
Compiling src/mame/drivers/jvh.cpp...
Compiling src/mame/drivers/kissproto.cpp...
Compiling src/mame/drivers/lckydraw.cpp...
Compiling src/mame/drivers/ltd.cpp...
Compiling src/mame/drivers/macp.cpp...
Compiling src/mame/drivers/mephistp.cpp...
Compiling src/mame/drivers/micropin.cpp...
Compiling src/mame/drivers/mrgame.cpp...
Compiling src/mame/drivers/nsm.cpp...
Compiling src/mame/drivers/peyper.cpp...
Compiling src/mame/drivers/play_1.cpp...
Compiling src/mame/drivers/play_2.cpp...
Compiling src/mame/drivers/play_3.cpp...
Compiling src/mame/drivers/regama.cpp...
Compiling src/mame/drivers/rowamet.cpp...
Compiling src/mame/drivers/s11.cpp...
Compiling src/mame/drivers/s11a.cpp...
Compiling src/mame/drivers/s11b.cpp...
Compiling src/mame/drivers/s11c.cpp...
Compiling src/mame/drivers/s3.cpp...
Compiling src/mame/drivers/s4.cpp...
Compiling src/mame/drivers/s6.cpp...
Compiling src/mame/drivers/s6a.cpp...
Compiling src/mame/drivers/s7.cpp...
Compiling src/mame/drivers/s8.cpp...
Compiling src/mame/drivers/s8a.cpp...
Compiling src/mame/drivers/s9.cpp...
Compiling src/mame/drivers/sam.cpp...
Compiling src/mame/drivers/sleic.cpp...
Compiling src/mame/drivers/spectra.cpp...
Compiling src/mame/drivers/spinb.cpp...
Compiling src/mame/drivers/spirit76.cpp...
Compiling src/mame/drivers/st_mp100.cpp...
Compiling src/mame/drivers/st_mp200.cpp...
Compiling src/mame/drivers/stargame.cpp...
Compiling src/mame/drivers/supstarf.cpp...
Compiling src/mame/drivers/taito.cpp...
Compiling src/mame/drivers/techno.cpp...
Compiling src/mame/drivers/vd.cpp...
Compiling src/mame/drivers/white_mod.cpp...
Compiling src/mame/drivers/whitestar.cpp...
Compiling src/mame/drivers/wico.cpp...
Compiling src/mame/drivers/wpc_95.cpp...
Compiling src/mame/drivers/wpc_an.cpp...
Compiling src/mame/drivers/wpc_dcs.cpp...
Compiling src/mame/drivers/wpc_dot.cpp...
Compiling src/mame/drivers/wpc_flip1.cpp...
Compiling src/mame/drivers/wpc_flip2.cpp...
Compiling src/mame/drivers/wpc_s.cpp...
Compiling src/mame/drivers/zac_1.cpp...
Compiling src/mame/drivers/zac_2.cpp...
Compiling src/mame/drivers/zac_proto.cpp...
Compiling src/mame/drivers/zpinball.cpp...
Compiling src/mame/machine/decopincpu.cpp...
Compiling src/mame/machine/genpin.cpp...
Compiling src/mame/machine/wpc.cpp...
Compiling src/mame/machine/wpc_lamp.cpp...
Compiling src/mame/machine/wpc_out.cpp...
Compiling src/mame/machine/wpc_pic.cpp...
Compiling src/mame/machine/wpc_shift.cpp...
Compiling src/mame/video/decodmd1.cpp...
Compiling src/mame/video/decodmd2.cpp...
Compiling src/mame/video/decodmd3.cpp...
Compiling src/mame/video/wpc_dmd.cpp...
Archiving libpinball.a...
Compiling src/mame/audio/dcs.cpp...

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Compiling src/mame/audio/decobsmt.cpp...
Compiling src/mame/audio/efo_zsu.cpp...
Compiling src/mame/audio/rax.cpp...
Compiling src/mame/audio/segam1audio.cpp...
Compiling src/mame/machine/bacta_datalogger.cpp...
Compiling src/mame/machine/nmk112.cpp...
Compiling src/mame/machine/pcshare.cpp...
Compiling src/mame/machine/segacrpt_device.cpp...
Compiling src/mame/video/avgdvg.cpp...
Compiling src/mame/video/awpvid.cpp...
Compiling src/mame/video/tmap038.cpp...
Archiving libshared.a...
Compiling src/mame/drivers/duet16.cpp...
Compiling src/mame/drivers/jr100.cpp...
Compiling src/mame/drivers/jr200.cpp...
Compiling src/mame/drivers/myb3k.cpp...
Archiving libmatsushi.a...
Compiling src/mame/drivers/aquarius.cpp...
Compiling src/mame/drivers/juicebox.cpp...
Compiling src/mame/drivers/mattelchess.cpp...
Compiling src/mame/video/aquarius.cpp...
Archiving libmattel.a...
Compiling src/mame/drivers/microvsn.cpp...
Compiling src/mame/drivers/milton6805.cpp...
Archiving libmb.a...
Compiling src/mame/drivers/ssem.cpp...
Archiving libmchester.a...
Compiling src/mame/drivers/mtx.cpp...
Compiling src/mame/machine/mtx.cpp...
Archiving libmemotech.a...
Compiling src/mame/drivers/ec7915.cpp...
Compiling src/mame/drivers/konin.cpp...
Compiling src/mame/drivers/m79152pc.cpp...
Compiling src/mame/drivers/meritum.cpp...
Compiling src/mame/drivers/vdm7932x.cpp...
Archiving libmera.a...
Compiling src/mame/drivers/irisha.cpp...
Archiving libmgu.a...
Compiling src/mame/drivers/primos.cpp...
Compiling src/mame/machine/primos.cpp...
Archiving libmicrokey.a...
Compiling src/mame/drivers/xbox.cpp...
Archiving libmicrosoft.a...
Compiling src/mame/drivers/ergo201.cpp...
Compiling src/mame/drivers/microterm.cpp...
Compiling src/mame/drivers/microterm_f8.cpp...
Archiving libmicroterm.a...
Compiling src/mame/drivers/mips.cpp...
Compiling src/mame/machine/mips_rambo.cpp...
Archiving libmips.a...
Compiling src/mame/drivers/tx0.cpp...
Compiling src/mame/video/crt.cpp...
Compiling src/mame/video/tx0.cpp...
Archiving libmit.a...
Compiling src/mame/drivers/altair.cpp...
Compiling src/mame/drivers/mits680b.cpp...
Archiving libmits.a...
Compiling src/mame/drivers/hh_melps4.cpp...
Compiling src/mame/drivers/multil6.cpp...
Compiling src/mame/drivers/multi8.cpp...
Archiving libmitsubishi.a...
Compiling src/mame/drivers/mzr8105.cpp...
Archiving libmizar.a...
Compiling src/mame/drivers/microdec.cpp...
Compiling src/mame/drivers/mpz80.cpp...
Compiling src/mame/drivers/tricep.cpp...
Archiving libmorrow.a...
Compiling src/mame/drivers/kim1.cpp...
Archiving libmos.a...
Compiling src/mame/drivers/exorciser.cpp...
Compiling src/mame/drivers/m6805evs.cpp...
Compiling src/mame/drivers/m68705prg.cpp...
Compiling src/mame/drivers/mekd1.cpp...
Compiling src/mame/drivers/mekd2.cpp...
Compiling src/mame/drivers/mekd3.cpp...
Compiling src/mame/drivers/mekd4.cpp...
Compiling src/mame/drivers/mekd5.cpp...

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Compiling src/mame/drivers/mvme147.cpp...
Compiling src/mame/drivers/mvme162.cpp...
Compiling src/mame/drivers/uchroma68.cpp...
Archiving libmotorola.a...
Compiling src/mame/drivers/mkit09.cpp...
Compiling src/mame/drivers/mpf1.cpp...
Archiving libmultitech.a...
Compiling src/mame/drivers/mdisk.cpp...
Compiling src/mame/drivers/mupid2.cpp...
Archiving libmupid.a...
Compiling src/mame/drivers/nakajies.cpp...
Archiving libnakajima.a...
Compiling src/mame/drivers/nascom1.cpp...
Archiving libnascom.a...
Compiling src/mame/drivers/hh_cop400.cpp...
Compiling src/mame/drivers/ns5652.cpp...
Archiving libnatsemi.a...
Compiling src/mame/drivers/ncd68k.cpp...
Compiling src/mame/drivers/ncd88k.cpp...
Compiling src/mame/drivers/ncdmips.cpp...
Compiling src/mame/drivers/ncdppc.cpp...
Compiling src/mame/machine/bert.cpp...
Archiving libncd.a...
Compiling src/mame/drivers/z80ne.cpp...
Compiling src/mame/machine/z80ne.cpp...
Archiving libne.a...
Compiling src/mame/drivers/apc.cpp...
Compiling src/mame/drivers/hh_ucom4.cpp...
Compiling src/mame/drivers/pc100.cpp...
Compiling src/mame/drivers/pc6001.cpp...
Compiling src/mame/drivers/pc8001.cpp...
Compiling src/mame/drivers/pc8401a.cpp...
Compiling src/mame/drivers/pc8801.cpp...
Compiling src/mame/drivers/pc88va.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/drivers/pc88va.cpp: In member function 'virtual void
pc88va_state::video_start()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
   &>(m).respool(), t, c)
      |
      |
^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
   [_num], (_num))
      |
      |
../../../../../../src/mame/drivers/pc88va.cpp:35:15: note: in expansion of macro
'auto_alloc_array'
   35 | m_kanjiram = auto_alloc_array(machine(), uint8_t, 0x4000);
      |               ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
  169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      |
^~~~~~
Compiling src/mame/drivers/pc9801.cpp...
Compiling src/mame/drivers/pce.cpp...
Compiling src/mame/drivers/pcfx.cpp...
Compiling src/mame/drivers/tk80bs.cpp...
Compiling src/mame/machine/pc9801_cd.cpp...
Compiling src/mame/machine/pc9801_kbd.cpp...
Compiling src/mame/machine/pc9801_memsw.cpp...
Compiling src/mame/machine/pce.cpp...
Compiling src/mame/machine/pce_cd.cpp...
Compiling src/mame/video/pc6001.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/video/pc6001.cpp: In member function 'virtual void
pc6001_state::video_start()':
../../../../../../src/emu/machine.h:72:106: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   72 | #define auto_alloc_array_clear(m, t, c)
pool_alloc_array_clear(static_cast<running_machine &>(m).respool(), t, c)

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Compiling src/mame/drivers/nss.cpp...
Compiling src/mame/drivers/playch10.cpp...
Compiling src/mame/drivers/pokemini.cpp...
Compiling src/mame/drivers/popeye.cpp...
Compiling src/mame/drivers/punchout.cpp...
Compiling src/mame/drivers/sfcbox.cpp...
Compiling src/mame/drivers/snes.cpp...
Compiling src/mame/drivers/snesb.cpp...
Compiling src/mame/drivers/snesb51.cpp...
Compiling src/mame/drivers/spacefb.cpp...
Compiling src/mame/drivers/vboy.cpp...
Compiling src/mame/drivers/vsnes.cpp...
Compiling src/mame/drivers/vt1682.cpp...
Compiling src/mame/drivers/vt_unknown.cpp...
Compiling src/mame/machine/gb.cpp...
Compiling src/mame/machine/m6502_swap_op_d2_d7.cpp...
Compiling src/mame/machine/m6502_swap_op_d5_d6.cpp...
Compiling src/mame/machine/m6502_vtscr.cpp...
Compiling src/mame/machine/nes.cpp...
Compiling src/mame/machine/nes_vt09_soc.cpp...
Compiling src/mame/machine/nes_vt32_soc.cpp...
Compiling src/mame/machine/nes_vt369_vtunknown_soc.cpp...
Compiling src/mame/machine/nes_vt_soc.cpp...
Compiling src/mame/machine/playch10.cpp...
Compiling src/mame/machine/snes.cpp...
Compiling src/mame/machine/snescx4.cpp...
In file included from ../../../../src/mame/machine/snescx4.cpp:29:
../../../../../../src/mame/machine/cx4fn.hxx: In function 'void
CX4_C4DrawWireFrame(running_machine&)':
../../../../../../src/mame/machine/cx4fn.hxx:106:61: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  106 |   address_space &space = machine.device<cpu_device>("maincpu")->space(AS_PROGRAM);
      |
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~
../../../../../../src/mame/machine/snescx4.cpp: In function 'void
CX4_transfer_data(running_machine&)':
../../../../../../src/mame/machine/snescx4.cpp:111:61: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  111 |   address_space &space = machine.device<cpu_device>("maincpu")->space(AS_PROGRAM);
      |
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~
In file included from ../../../../src/mame/machine/snescx4.cpp:118:
../../../../../../src/mame/machine/cx4oam.hxx: In function 'void CX4_op00_00(running_machine&)':
../../../../../../src/mame/machine/cx4oam.hxx:49:61: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
   49 |   address_space &space = machine.device<cpu_device>("maincpu")->space(AS_PROGRAM);
      |
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~
../../../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]':
../../../../../../src/mame/machine/cx4fn.hxx:106:61:   required from here
../../../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]

```



```
214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
```

```
|
~~~~~^~~~~
```

```
In file included from ../../../../src/emu/emu.h:87:
```

```
../../../../../../src/emu/machine.h:213:90: note: declared here
```

```
213 | [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
```

```
|
^~~~~~
```

```
Compiling src/mame/machine/vsnes.cpp...
Compiling src/mame/machine/vt1682_alu.cpp...
Compiling src/mame/machine/vt1682_io.cpp...
Compiling src/mame/machine/vt1682_timer.cpp...
Compiling src/mame/machine/vt1682_uio.cpp...
Compiling src/mame/video/dkong.cpp...
Compiling src/mame/video/mario.cpp...
Compiling src/mame/video/n8080.cpp...
Compiling src/mame/video/nes.cpp...
Compiling src/mame/video/playch10.cpp...
Compiling src/mame/video/popeye.cpp...
Compiling src/mame/video/punchout.cpp...
Compiling src/mame/video/spacefb.cpp...
Archiving libnintendo.a...
Compiling src/mame/drivers/dbox.cpp...
Compiling src/mame/drivers/mikromik.cpp...
Compiling src/mame/drivers/nokia_3310.cpp...
Compiling src/mame/machine/mmlkb.cpp...
Compiling src/mame/video/mikromik.cpp...
Archiving libnokia.a...
Compiling src/mame/drivers/horizon.cpp...
Archiving libnorthstar.a...
Compiling src/mame/drivers/novag_cexpert.cpp...
Compiling src/mame/drivers/novag_cforte.cpp...
Compiling src/mame/drivers/novag_const.cpp...
Compiling src/mame/drivers/novag_diablo.cpp...
Compiling src/mame/drivers/novag_micro.cpp...
Compiling src/mame/drivers/novag_micro2.cpp...
Compiling src/mame/drivers/novag_savant.cpp...
Compiling src/mame/drivers/novag_sexpert.cpp...
Compiling src/mame/drivers/novag_supremo.cpp...
Archiving libnovag.a...
Compiling src/mame/drivers/basssta.cpp...
Compiling src/mame/drivers/drumsta.cpp...
Archiving libnovation.a...
Compiling src/mame/drivers/m20.cpp...
Compiling src/mame/drivers/m24.cpp...
Compiling src/mame/drivers/olivpcl.cpp...
Compiling src/mame/machine/m20_8086.cpp...
Compiling src/mame/machine/m20_kbd.cpp...
Compiling src/mame/machine/m24_kbd.cpp...
Compiling src/mame/machine/m24_z8000.cpp...
Archiving libolivetti.a...
Compiling src/mame/drivers/dday.cpp...
Compiling src/mame/drivers/lbeach.cpp...
Compiling src/mame/drivers/monzagp.cpp...
Compiling src/mame/drivers/olyboss.cpp...
Compiling src/mame/drivers/olytext.cpp...
Compiling src/mame/drivers/peoplepc.cpp...
Compiling src/mame/drivers/portrait.cpp...
Compiling src/mame/drivers/vega.cpp...
Compiling src/mame/video/dday.cpp...
Compiling src/mame/video/portrait.cpp...
Archiving libolympia.a...
Compiling src/mame/drivers/msbc1.cpp...
Compiling src/mame/drivers/ob68kla.cpp...
Archiving libomnibyte.a...
Compiling src/mame/drivers/hektor.cpp...
Archiving libopenuni.a...
Compiling src/mame/drivers/orion.cpp...
Compiling src/mame/machine/orion.cpp...
Compiling src/mame/video/orion.cpp...
Archiving liborion.a...
Compiling src/mame/drivers/osbexec.cpp...
Compiling src/mame/drivers/osborne1.cpp...
Compiling src/mame/drivers/vixen.cpp...
```

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Compiling src/mame/machine/osborne1.cpp...
Archiving libosborne.a...
Compiling src/mame/drivers/osi.cpp...
Compiling src/mame/video/osi.cpp...
Archiving libosi.a...
Compiling src/mame/drivers/palm.cpp...
Compiling src/mame/drivers/palmz22.cpp...
Archiving libpalm.a...
Compiling src/mame/drivers/talkingbb.cpp...
Compiling src/mame/drivers/talkingfb.cpp...
Archiving libparker.a...
Compiling src/mame/drivers/asst128.cpp...
Compiling src/mame/drivers/compc.cpp...
Compiling src/mame/drivers/europc.cpp...
Compiling src/mame/drivers/genpc.cpp...
Compiling src/mame/drivers/ibmpc.cpp...
Compiling src/mame/drivers/ibmpcjr.cpp...
Compiling src/mame/drivers/nforcepc.cpp...
Compiling src/mame/drivers/pc.cpp...
Compiling src/mame/drivers/pcipc.cpp...
Compiling src/mame/drivers/tandy1t.cpp...
Compiling src/mame/drivers/tosh1000.cpp...
Compiling src/mame/machine/tosh1000_bram.cpp...
Compiling src/mame/video/pc_t1t.cpp...
Archiving libpc.a...
Compiling src/mame/drivers/pdp1.cpp...
Compiling src/mame/video/pdp1.cpp...
Archiving libpdp1.a...
Compiling src/mame/drivers/galeb.cpp...
Compiling src/mame/drivers/orao.cpp...
Archiving libpel.a...
Compiling src/mame/drivers/p2000t.cpp...
Compiling src/mame/drivers/vg5k.cpp...
Compiling src/mame/machine/p2000t.cpp...
Compiling src/mame/machine/p2000t_mdcr.cpp...
Compiling src/mame/video/p2000t.cpp...
Archiving libphilips.a...
Compiling src/mame/drivers/beta.cpp...
Archiving libpitronic.a...
Compiling src/mame/drivers/poly.cpp...
Compiling src/mame/drivers/proteus.cpp...
Compiling src/mame/machine/poly.cpp...
Archiving libpoly.a...
Compiling src/mame/drivers/poly88.cpp...
Compiling src/mame/machine/poly88.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/machine/poly88.cpp: In member function 'image_init_result
poly88_state::snapshot_cb(device_image_interface&, const char*, int)':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      |
^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      |
../../../../../../src/mame/machine/poly88.cpp:243:17: note: in expansion of macro
'auto_alloc_array'
   243 | uint8_t* data= auto_alloc_array(machine(), uint8_t, snapshot_size);
      |                ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      |
^~~~~~
Archiving libpoly88.a...
Compiling src/mame/drivers/psion.cpp...
Compiling src/mame/drivers/psion5.cpp...
Compiling src/mame/machine/etna.cpp...
Compiling src/mame/machine/psion_pack.cpp...
Archiving libpsion.a...
Compiling src/mame/drivers/dpb7000.cpp...
Compiling src/mame/drivers/harriet.cpp...

```

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Archiving libquantel.a...
Compiling src/mame/drivers/qvt102.cpp...
Compiling src/mame/drivers/qvt103.cpp...
Compiling src/mame/drivers/qvt190.cpp...
Compiling src/mame/drivers/qvt201.cpp...
Compiling src/mame/drivers/qvt70.cpp...
Archiving libqume.a...
Compiling src/mame/drivers/apogee.cpp...
Compiling src/mame/drivers/mikrosha.cpp...
Compiling src/mame/drivers/partner.cpp...
Compiling src/mame/drivers/radio86.cpp...
Compiling src/mame/machine/partner.cpp...
Compiling src/mame/machine/radio86.cpp...
Archiving libradio.a...
Compiling src/mame/drivers/microkit.cpp...
Compiling src/mame/drivers/studio2.cpp...
Compiling src/mame/drivers/vip.cpp...
Archiving librca.a...
Compiling src/mame/drivers/rc702.cpp...
Compiling src/mame/drivers/rc759.cpp...
Archiving libregnecentralen.a...
Compiling src/mame/drivers/monty.cpp...
Archiving libritam.a...
Compiling src/mame/drivers/rm380z.cpp...
Compiling src/mame/drivers/rmnimbus.cpp...
Compiling src/mame/machine/rm380z.cpp...
Compiling src/mame/machine/rmnimbus.cpp...
Compiling src/mame/machine/rmnkbd.cpp...
Compiling src/mame/video/rm380z.cpp...
Compiling src/mame/video/rmnimbus.cpp...
Archiving librm.a...
Compiling src/mame/drivers/a5105.cpp...
Compiling src/mame/drivers/a51xx.cpp...
Compiling src/mame/drivers/a7150.cpp...
Compiling src/mame/drivers/k1003.cpp...
Compiling src/mame/drivers/k8915.cpp...
Compiling src/mame/drivers/rt1715.cpp...
Compiling src/mame/drivers/z1013.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../../../src/mame/drivers/z1013.cpp: In member function 'image_init_result
z1013_state::snapshot_cb(device_image_interface&, const char*, int)':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
../../../../../../src/mame/drivers/z1013.cpp:334:17: note: in expansion of macro
'auto_alloc_array'
   334 | uint8_t* data= auto_alloc_array(machine(), uint8_t, snapshot_size);
      |                ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
Compiling src/mame/drivers/z9001.cpp...
Archiving librobotron.a...
Compiling src/mame/drivers/aim65.cpp...
Compiling src/mame/drivers/aim65_40.cpp...
Compiling src/mame/machine/aim65.cpp...
Archiving librockwell.a...
Compiling src/mame/audio/bu3905.cpp...
Compiling src/mame/audio/jx8p_synth.cpp...
Compiling src/mame/audio/mb63h114.cpp...
Compiling src/mame/drivers/alphajuno.cpp...
Compiling src/mame/drivers/boss_se70.cpp...
Compiling src/mame/drivers/boss_sx700.cpp...
Compiling src/mame/drivers/juno106.cpp...
Compiling src/mame/drivers/juno6.cpp...
Compiling src/mame/drivers/roland_cm32p.cpp...

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Compiling src/mame/drivers/roland_d10.cpp...
Compiling src/mame/drivers/roland_d50.cpp...
Compiling src/mame/drivers/roland_jd800.cpp...
Compiling src/mame/drivers/roland_jv80.cpp...
Compiling src/mame/drivers/roland_jx3p.cpp...
Compiling src/mame/drivers/roland_jx8p.cpp...
Compiling src/mame/drivers/roland_mc50.cpp...
Compiling src/mame/drivers/roland_mt32.cpp...
Compiling src/mame/drivers/roland_r8.cpp...
Compiling src/mame/drivers/roland_ra30.cpp...
Compiling src/mame/drivers/roland_s10.cpp...
Compiling src/mame/drivers/roland_s50.cpp...
Compiling src/mame/drivers/roland_sc55.cpp...
Compiling src/mame/drivers/roland_sc88.cpp...
Compiling src/mame/drivers/roland_tb303.cpp...
Compiling src/mame/drivers/roland_tr505.cpp...
Compiling src/mame/drivers/roland_tr606.cpp...
Compiling src/mame/drivers/roland_tr707.cpp...
Compiling src/mame/drivers/roland_tr909.cpp...
Compiling src/mame/drivers/roland_u20.cpp...
Compiling src/mame/machine/mb62h195.cpp...
Compiling src/mame/machine/mb63h149.cpp...
Compiling src/mame/machine/pg200.cpp...
Archiving libroland.a...
Compiling src/mame/drivers/r9751.cpp...
Archiving librolm.a...
Compiling src/mame/drivers/sage2.cpp...
Archiving libsage.a...
Compiling src/mame/drivers/saitek_ccompan.cpp...
Compiling src/mame/drivers/saitek_chesstrv.cpp...
Compiling src/mame/drivers/saitek_corona.cpp...
Compiling src/mame/drivers/saitek_cp2000.cpp...
Compiling src/mame/drivers/saitek_delta1.cpp...
Compiling src/mame/drivers/saitek_exchess.cpp...
Compiling src/mame/drivers/saitek_intchess.cpp...
Compiling src/mame/drivers/saitek_leonardo.cpp...
Compiling src/mame/drivers/saitek_mark5.cpp...
Compiling src/mame/drivers/saitek_minichess.cpp...
Compiling src/mame/drivers/saitek_prschess.cpp...
Compiling src/mame/drivers/saitek_renaissance.cpp...
Compiling src/mame/drivers/saitek_risc2500.cpp...
Compiling src/mame/drivers/saitek_schess.cpp...
Compiling src/mame/drivers/saitek_simultano.cpp...
Compiling src/mame/drivers/saitek_ssystem3.cpp...
Compiling src/mame/drivers/saitek_stratos.cpp...
Compiling src/mame/drivers/saitek_superstar.cpp...
Archiving libsaitek.a...
Compiling src/mame/drivers/samcoupe.cpp...
Archiving libsamcoupe.a...
Compiling src/mame/drivers/spc1000.cpp...
Compiling src/mame/drivers/spc1500.cpp...
Archiving libsamsung.a...
Compiling src/mame/drivers/mbc200.cpp...
Compiling src/mame/drivers/mbc55x.cpp...
Compiling src/mame/drivers/phc25.cpp...
Compiling src/mame/machine/mbc55x_kbd.cpp...
Compiling src/mame/video/mbc55x.cpp...
Archiving libsanyo.a...
Compiling src/mame/drivers/st17xx.cpp...
Archiving libsaturn.a...
Compiling src/mame/drivers/dconcs.cpp...
Compiling src/mame/drivers/megadriv.cpp...
Compiling src/mame/drivers/megadriv_rad.cpp...
Compiling src/mame/drivers/megadriv_sunplus_hybrid.cpp...
Compiling src/mame/drivers/megadriv_vt_hybrid.cpp...
Compiling src/mame/drivers/sega_beena.cpp...
Compiling src/mame/drivers/sega_sawatte.cpp...
Compiling src/mame/drivers/segapico.cpp...
Compiling src/mame/drivers/segapm.cpp...
Compiling src/mame/drivers/sg1000.cpp...
Compiling src/mame/drivers/svmu.cpp...
Compiling src/mame/machine/dconcs.cpp...
Compiling src/mame/machine/mega32x.cpp...
Compiling src/mame/machine/megacd.cpp...
Compiling src/mame/machine/megacdc.cpp...
Archiving libsegacons.a...
Compiling src/mame/drivers/prophet600.cpp...

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Archiving libsequential.a...
Compiling src/mame/drivers/4dpi.cpp...
Compiling src/mame/drivers/crimson.cpp...
Compiling src/mame/drivers/indigo.cpp...
Compiling src/mame/drivers/indy_indigo2.cpp...
Compiling src/mame/drivers/iris3130.cpp...
Compiling src/mame/drivers/iris_power.cpp...
Compiling src/mame/drivers/o2.cpp...
Compiling src/mame/drivers/octane.cpp...
Compiling src/mame/machine/hal2.cpp...
Compiling src/mame/machine/hpc1.cpp...
Compiling src/mame/machine/hpc3.cpp...
Compiling src/mame/machine/ioc2.cpp...
Compiling src/mame/machine/mace.cpp...
Compiling src/mame/machine/saa7191.cpp...
Compiling src/mame/machine/sgi.cpp...
Compiling src/mame/machine/vino.cpp...
Compiling src/mame/video/crime.cpp...
Compiling src/mame/video/light.cpp...
Compiling src/mame/video/sgi_ge5.cpp...
Compiling src/mame/video/sgi_gr1.cpp...
Compiling src/mame/video/sgi_re2.cpp...
Compiling src/mame/video/sgi_xmap2.cpp...
Archiving libsgi.a...
Compiling src/mame/drivers/fontwriter.cpp...
Compiling src/mame/drivers/hh_sm510.cpp...
Compiling src/mame/drivers/mz2000.cpp...
Compiling src/mame/drivers/mz2500.cpp...
Compiling src/mame/drivers/mz3500.cpp...
Compiling src/mame/drivers/mz6500.cpp...
Compiling src/mame/drivers/mz700.cpp...
Compiling src/mame/drivers/mz80.cpp...
Compiling src/mame/drivers/pc1500.cpp...
Compiling src/mame/drivers/pce220.cpp...
Compiling src/mame/drivers/pocketc.cpp...
Compiling src/mame/drivers/rzone.cpp...
Compiling src/mame/drivers/x1.cpp...
Compiling src/mame/drivers/xltwin.cpp...
Compiling src/mame/drivers/x68k.cpp...
Compiling src/mame/drivers/zaurus.cpp...
Compiling src/mame/machine/mz700.cpp...
Compiling src/mame/machine/mz80.cpp...
Compiling src/mame/machine/pc1251.cpp...
Compiling src/mame/machine/pc1350.cpp...
Compiling src/mame/machine/pc1401.cpp...
Compiling src/mame/machine/pc1403.cpp...
Compiling src/mame/machine/pce220_ser.cpp...
Compiling src/mame/machine/pocketc.cpp...
Compiling src/mame/machine/x1.cpp...
Compiling src/mame/machine/x68k_hdc.cpp...
Compiling src/mame/machine/x68k_kbd.cpp...
Compiling src/mame/video/mz700.cpp...
Compiling src/mame/video/mz80.cpp...
Compiling src/mame/video/pc1251.cpp...
Compiling src/mame/video/pc1350.cpp...
Compiling src/mame/video/pc1401.cpp...
Compiling src/mame/video/pc1403.cpp...
Compiling src/mame/video/pocketc.cpp...
Compiling src/mame/video/x1.cpp...
Compiling src/mame/video/x68k.cpp...
Compiling src/mame/video/x68k_crtc.cpp...
Archiving libsharp.a...
Compiling src/mame/drivers/bitel.cpp...
Compiling src/mame/drivers/pcd.cpp...
Compiling src/mame/drivers/pg685.cpp...
Compiling src/mame/machine/pcd_kbd.cpp...
Compiling src/mame/video/pcd.cpp...
Archiving libsiemens.a...
Compiling src/mame/drivers/atm.cpp...
Compiling src/mame/drivers/pentagon.cpp...
Compiling src/mame/drivers/ql.cpp...
Compiling src/mame/drivers/scorpion.cpp...
Compiling src/mame/drivers/spec128.cpp...
Compiling src/mame/drivers/specpls3.cpp...
Compiling src/mame/drivers/spectrum.cpp...
Compiling src/mame/drivers/timex.cpp...
Compiling src/mame/drivers/zx.cpp...

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Compiling src/mame/machine/beta.cpp...
Compiling src/mame/machine/qimi.cpp...
Compiling src/mame/machine/spec_snqk.cpp...
Compiling src/mame/machine/zx.cpp...
Compiling src/mame/machine/zx8302.cpp...
Compiling src/mame/video/spectrum.cpp...
Compiling src/mame/video/timex.cpp...
Compiling src/mame/video/zx.cpp...
Compiling src/mame/video/zx8301.cpp...
Archiving libsinclair.a...
Compiling src/mame/drivers/aaa.cpp...
Compiling src/mame/drivers/acd.cpp...
Compiling src/mame/drivers/aceex.cpp...
Compiling src/mame/drivers/adacpl50.cpp...
Compiling src/mame/drivers/aid80f.cpp...
Compiling src/mame/drivers/akaiax80.cpp...
Compiling src/mame/drivers/alcat7100.cpp...
Compiling src/mame/drivers/alesis_qs.cpp...
Compiling src/mame/drivers/alfaskop4lxx.cpp...
Compiling src/mame/drivers/alphasma.cpp...
Compiling src/mame/drivers/am1000.cpp...
Compiling src/mame/drivers/ampex.cpp...
Compiling src/mame/drivers/ampex210.cpp...
Compiling src/mame/drivers/ampscarp.cpp...
Compiling src/mame/drivers/amust.cpp...
Compiling src/mame/drivers/anzterm.cpp...
Compiling src/mame/drivers/applix.cpp...
Compiling src/mame/drivers/argox.cpp...
Compiling src/mame/drivers/attache.cpp...
Compiling src/mame/drivers/aussiebyte.cpp...
Compiling src/mame/drivers/ax20.cpp...
Compiling src/mame/drivers/bert.cpp...
Compiling src/mame/drivers/besta.cpp...
Compiling src/mame/drivers/binbug.cpp...
Compiling src/mame/drivers/bitgraph.cpp...
Compiling src/mame/drivers/blw700i.cpp...
Compiling src/mame/drivers/bpmmicro.cpp...
Compiling src/mame/drivers/br864l.cpp...
Compiling src/mame/drivers/busicom.cpp...
Compiling src/mame/drivers/c2color.cpp...
Compiling src/mame/drivers/candela.cpp...
Compiling src/mame/drivers/cardinal.cpp...
Compiling src/mame/drivers/cbnt2039.cpp...
Compiling src/mame/drivers/cd100.cpp...
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Compiling src/mame/machine/news_hid.cpp...

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Compiling src/devices/bus/amiga/zorro/a2232.cpp...
Compiling src/devices/bus/amiga/zorro/a590.cpp...
Compiling src/devices/bus/amiga/zorro/action_replay.cpp...
Compiling src/devices/bus/amiga/zorro/buddha.cpp...
Compiling src/devices/bus/amiga/zorro/cards.cpp...
Compiling src/devices/bus/amiga/zorro/zorro.cpp...
Compiling src/devices/bus/apf/rom.cpp...
Compiling src/devices/bus/apf/slot.cpp...
Compiling src/devices/bus/apricot/expansion/cards.cpp...
Compiling src/devices/bus/apricot/expansion/expansion.cpp...
Compiling src/devices/bus/apricot/expansion/ram.cpp...
Compiling src/devices/bus/apricot/expansion/winchester.cpp...
Compiling src/devices/bus/apricot/keyboard/hle.cpp...
Compiling src/devices/bus/apricot/keyboard/keyboard.cpp...
Compiling src/devices/bus/aquarius/cl541.cpp...
Compiling src/devices/bus/aquarius/mini.cpp...
Compiling src/devices/bus/aquarius/qdisk.cpp...
Compiling src/devices/bus/aquarius/ram.cpp...
Compiling src/devices/bus/aquarius/rom.cpp...
Compiling src/devices/bus/aquarius/slot.cpp...
Compiling src/devices/bus/aquarius/supercart.cpp...
Compiling src/devices/bus/arcadia/rom.cpp...
Compiling src/devices/bus/arcadia/slot.cpp...
Compiling src/devices/bus/astrocde/accessory.cpp...
Compiling src/devices/bus/astrocde/cassette.cpp...
Compiling src/devices/bus/astrocde/ctrl.cpp...
Compiling src/devices/bus/astrocde/exp.cpp...
Compiling src/devices/bus/astrocde/joy.cpp...
Compiling src/devices/bus/astrocde/lightpen.cpp...
Compiling src/devices/bus/astrocde/ram.cpp...
Compiling src/devices/bus/astrocde/rom.cpp...
Compiling src/devices/bus/astrocde/slot.cpp...
Compiling src/devices/bus/ata/atadev.cpp...
Compiling src/devices/bus/ata/atahle.cpp...
Compiling src/devices/bus/ata/ataintf.cpp...
Compiling src/devices/bus/ata/atapicdr.cpp...
Compiling src/devices/bus/ata/atapihle.cpp...
Compiling src/devices/bus/ata/cr589.cpp...
Compiling src/devices/bus/ata/idehd.cpp...
Compiling src/devices/bus/ata/px320a.cpp...
Compiling src/devices/bus/bbc/1mhzbus/1mhzbus.cpp...
Compiling src/devices/bus/bbc/1mhzbus/autoprom.cpp...
Compiling src/devices/bus/bbc/1mhzbus/beebopl.cpp...
Compiling src/devices/bus/bbc/1mhzbus/beebosid.cpp...
Compiling src/devices/bus/bbc/1mhzbus/cc500.cpp...
Compiling src/devices/bus/bbc/1mhzbus/cfa3000opt.cpp...
Compiling src/devices/bus/bbc/1mhzbus/datacentre.cpp...
Compiling src/devices/bus/bbc/1mhzbus/emrmidi.cpp...
Compiling src/devices/bus/bbc/1mhzbus/ide.cpp...
Compiling src/devices/bus/bbc/1mhzbus/ieee488.cpp...
Compiling src/devices/bus/bbc/1mhzbus/m2000.cpp...
Compiling src/devices/bus/bbc/1mhzbus/m5000.cpp...
Compiling src/devices/bus/bbc/1mhzbus/multiform.cpp...
Compiling src/devices/bus/bbc/1mhzbus/opus3.cpp...
Compiling src/devices/bus/bbc/1mhzbus/pdram.cpp...
Compiling src/devices/bus/bbc/1mhzbus/pms64k.cpp...
Compiling src/devices/bus/bbc/1mhzbus/ramdisc.cpp...
Compiling src/devices/bus/bbc/1mhzbus/sasi.cpp...
Compiling src/devices/bus/bbc/1mhzbus/scsi.cpp...
Compiling src/devices/bus/bbc/1mhzbus/sprite.cpp...
Compiling src/devices/bus/bbc/analogue/analogue.cpp...
Compiling src/devices/bus/bbc/analogue/bitstik.cpp...
Compiling src/devices/bus/bbc/analogue/cfa3000a.cpp...
Compiling src/devices/bus/bbc/analogue/joystick.cpp...
Compiling src/devices/bus/bbc/cart/click.cpp...
Compiling src/devices/bus/bbc/cart/mega256.cpp...
Compiling src/devices/bus/bbc/cart/mr8000.cpp...

Compiling src/devices/bus/bbc/cart/msc.cpp...
Compiling src/devices/bus/bbc/cart/slot.cpp...
Compiling src/devices/bus/bbc/exp/autocue.cpp...
Compiling src/devices/bus/bbc/exp/exp.cpp...
Compiling src/devices/bus/bbc/exp/mertec.cpp...
Compiling src/devices/bus/bbc/fdc/acorn.cpp...
Compiling src/devices/bus/bbc/fdc/ams.cpp...
Compiling src/devices/bus/bbc/fdc/cumana.cpp...
Compiling src/devices/bus/bbc/fdc/cv1797.cpp...
Compiling src/devices/bus/bbc/fdc/fdc.cpp...
Compiling src/devices/bus/bbc/fdc/kenda.cpp...
Compiling src/devices/bus/bbc/fdc/opus.cpp...
Compiling src/devices/bus/bbc/fdc/solidisk.cpp...
Compiling src/devices/bus/bbc/fdc/udm.cpp...
Compiling src/devices/bus/bbc/fdc/watford.cpp...
Compiling src/devices/bus/bbc/internal/aries.cpp...
Compiling src/devices/bus/bbc/internal/atpl.cpp...
Compiling src/devices/bus/bbc/internal/cumana68k.cpp...
Compiling src/devices/bus/bbc/internal/integrab.cpp...
Compiling src/devices/bus/bbc/internal/internal.cpp...
Compiling src/devices/bus/bbc/internal/morleyaa.cpp...
Compiling src/devices/bus/bbc/internal/overlay.cpp...
Compiling src/devices/bus/bbc/internal/peartree.cpp...
Compiling src/devices/bus/bbc/internal/ramamp.cpp...
Compiling src/devices/bus/bbc/internal/raven20.cpp...
Compiling src/devices/bus/bbc/internal/romex.cpp...
Compiling src/devices/bus/bbc/internal/stl2m128.cpp...
Compiling src/devices/bus/bbc/internal/stl4m32.cpp...
Compiling src/devices/bus/bbc/internal/stlswr.cpp...
Compiling src/devices/bus/bbc/internal/we32kram.cpp...
Compiling src/devices/bus/bbc/internal/werom.cpp...
Compiling src/devices/bus/bbc/internal/weromram.cpp...
Compiling src/devices/bus/bbc/joyport/joyport.cpp...
Compiling src/devices/bus/bbc/joyport/joystick.cpp...
Compiling src/devices/bus/bbc/modem/modem.cpp...
Compiling src/devices/bus/bbc/modem/scsiaiv.cpp...
Compiling src/devices/bus/bbc/rom/datagem.cpp...
Compiling src/devices/bus/bbc/rom/dfs.cpp...
Compiling src/devices/bus/bbc/rom/genie.cpp...
Compiling src/devices/bus/bbc/rom/nvram.cpp...
Compiling src/devices/bus/bbc/rom/pal.cpp...
Compiling src/devices/bus/bbc/rom/ram.cpp...
Compiling src/devices/bus/bbc/rom/rom.cpp...
Compiling src/devices/bus/bbc/rom/rtc.cpp...
Compiling src/devices/bus/bbc/rom/slot.cpp...
Compiling src/devices/bus/bbc/tube/tube.cpp...
Compiling src/devices/bus/bbc/tube/tube_32016.cpp...
Compiling src/devices/bus/bbc/tube/tube_6502.cpp...
Compiling src/devices/bus/bbc/tube/tube_80186.cpp...
Compiling src/devices/bus/bbc/tube/tube_80286.cpp...
Compiling src/devices/bus/bbc/tube/tube_arm.cpp...
Compiling src/devices/bus/bbc/tube/tube_casper.cpp...
Compiling src/devices/bus/bbc/tube/tube_rc6502.cpp...
Compiling src/devices/bus/bbc/tube/tube_z80.cpp...
Compiling src/devices/bus/bbc/tube/tube_zep100.cpp...
Compiling src/devices/bus/bbc/userport/beebspch.cpp...
Compiling src/devices/bus/bbc/userport/cfa3000kbd.cpp...
Compiling src/devices/bus/bbc/userport/lcd.cpp...
Compiling src/devices/bus/bbc/userport/m4000.cpp...
Compiling src/devices/bus/bbc/userport/palext.cpp...
Compiling src/devices/bus/bbc/userport/pointer.cpp...
Compiling src/devices/bus/bbc/userport/userport.cpp...
Compiling src/devices/bus/bbc/userport/usersplit.cpp...
Compiling src/devices/bus/bbc/userport/voicebox.cpp...
Compiling src/devices/bus/bml3/bml3bus.cpp...
Compiling src/devices/bus/bml3/bml3kanji.cpp...
Compiling src/devices/bus/bml3/bml3mp1802.cpp...
Compiling src/devices/bus/bml3/bml3mp1805.cpp...
Compiling src/devices/bus/bml3/bml3rtc.cpp...
Compiling src/devices/bus/bw2/exp.cpp...
Compiling src/devices/bus/bw2/ramcard.cpp...
Compiling src/devices/bus/c64/16kb.cpp...
Compiling src/devices/bus/c64/4dxh.cpp...
Compiling src/devices/bus/c64/4ksa.cpp...
Compiling src/devices/bus/c64/4tba.cpp...
Compiling src/devices/bus/c64/bn1541.cpp...
Compiling src/devices/bus/c64/buscard.cpp...

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Compiling src/devices/bus/c64/buscard2.cpp...
Compiling src/devices/bus/c64/cl28_comal80.cpp...
Compiling src/devices/bus/c64/cl28_partner.cpp...
Compiling src/devices/bus/c64/comal80.cpp...
Compiling src/devices/bus/c64/cpm.cpp...
Compiling src/devices/bus/c64/currah_speech.cpp...
Compiling src/devices/bus/c64/dela_ep256.cpp...
Compiling src/devices/bus/c64/dela_ep64.cpp...
Compiling src/devices/bus/c64/dela_ep7x8.cpp...
Compiling src/devices/bus/c64/dinamic.cpp...
Compiling src/devices/bus/c64/dqbb.cpp...
Compiling src/devices/bus/c64/easy_calc_result.cpp...
Compiling src/devices/bus/c64/easyflash.cpp...
Compiling src/devices/bus/c64/epyx_fast_load.cpp...
Compiling src/devices/bus/c64/exos.cpp...
Compiling src/devices/bus/c64/exp.cpp...
Compiling src/devices/bus/c64/fcc.cpp...
Compiling src/devices/bus/c64/final.cpp...
Compiling src/devices/bus/c64/final3.cpp...
Compiling src/devices/bus/c64/fun_play.cpp...
Compiling src/devices/bus/c64/geocable.cpp...
Compiling src/devices/bus/c64/georam.cpp...
Compiling src/devices/bus/c64/ide64.cpp...
Compiling src/devices/bus/c64/ieee488.cpp...
Compiling src/devices/bus/c64/kingsoft.cpp...
Compiling src/devices/bus/c64/mach5.cpp...
Compiling src/devices/bus/c64/magic_desk.cpp...
Compiling src/devices/bus/c64/magic_formel.cpp...
Compiling src/devices/bus/c64/magic_voice.cpp...
Compiling src/devices/bus/c64/midi_maplin.cpp...
Compiling src/devices/bus/c64/midi_namesoft.cpp...
Compiling src/devices/bus/c64/midi_passport.cpp...
Compiling src/devices/bus/c64/midi_sci.cpp...
Compiling src/devices/bus/c64/midi_siel.cpp...
Compiling src/devices/bus/c64/mikro_assembler.cpp...
Compiling src/devices/bus/c64/multiscreen.cpp...
Compiling src/devices/bus/c64/music64.cpp...
Compiling src/devices/bus/c64/neoram.cpp...
Compiling src/devices/bus/c64/ocean.cpp...
Compiling src/devices/bus/c64/pagefox.cpp...
Compiling src/devices/bus/c64/partner.cpp...
Compiling src/devices/bus/c64/prophet64.cpp...
Compiling src/devices/bus/c64/ps64.cpp...
Compiling src/devices/bus/c64/reu.cpp...
Compiling src/devices/bus/c64/rex.cpp...
Compiling src/devices/bus/c64/rex_ep256.cpp...
Compiling src/devices/bus/c64/ross.cpp...
Compiling src/devices/bus/c64/sfx_sound_expander.cpp...
Compiling src/devices/bus/c64/silverrock.cpp...
Compiling src/devices/bus/c64/simons_basic.cpp...
Compiling src/devices/bus/c64/speakeasy.cpp...
Compiling src/devices/bus/c64/stardos.cpp...
Compiling src/devices/bus/c64/std.cpp...
Compiling src/devices/bus/c64/structured_basic.cpp...
Compiling src/devices/bus/c64/super_explode.cpp...
Compiling src/devices/bus/c64/super_games.cpp...
Compiling src/devices/bus/c64/supercpu.cpp...
Compiling src/devices/bus/c64/sw8k.cpp...
Compiling src/devices/bus/c64/swiftlink.cpp...
Compiling src/devices/bus/c64/system3.cpp...
Compiling src/devices/bus/c64/tdos.cpp...
Compiling src/devices/bus/c64/turbo232.cpp...
Compiling src/devices/bus/c64/user.cpp...
Compiling src/devices/bus/c64/vizastar.cpp...
Compiling src/devices/bus/c64/vw64.cpp...
Compiling src/devices/bus/c64/warp_speed.cpp...
Compiling src/devices/bus/c64/westermann.cpp...
Compiling src/devices/bus/c64/xl80.cpp...
Compiling src/devices/bus/c64/zaxxon.cpp...
Compiling src/devices/bus/cbm2/24k.cpp...
Compiling src/devices/bus/cbm2/exp.cpp...
../../../../src/devices/bus/cbm2/exp.cpp: In member function 'virtual void
cbm2_expansion_slot_device::device_start()':
../../../../src/devices/bus/cbm2/exp.cpp:87:106: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cbm2_expansion_slot_device]' is
deprecated: absolute tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]

```

```

87 |     cbm2_expansion_slot_device *root =
machine().device<cbm2_expansion_slot_device>(CBM2_EXPANSION_SLOT_TAG);
|
^
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:214:122: note: declared here
214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~
../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cbm2_expansion_slot_device]':
../../../../src/emu/devices/bus/cbm2/exp.cpp:87:106: required from here
../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]
214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:213:90: note: declared here
213 |     [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
|
^~~~~~
Compiling src/devices/bus/cbm2/hrg.cpp...
Compiling src/devices/bus/cbm2/std.cpp...
Compiling src/devices/bus/cbm2/user.cpp...
Compiling src/devices/bus/cbmiec/c1526.cpp...
Compiling src/devices/bus/cbmiec/c1541.cpp...
Compiling src/devices/bus/cbmiec/c1571.cpp...
Compiling src/devices/bus/cbmiec/c1581.cpp...
Compiling src/devices/bus/cbmiec/c64_nll10.cpp...
Compiling src/devices/bus/cbmiec/cbmiec.cpp...
Compiling src/devices/bus/cbmiec/cmdhd.cpp...
Compiling src/devices/bus/cbmiec/diag264_lb_iec.cpp...
Compiling src/devices/bus/cbmiec/fd2000.cpp...
Compiling src/devices/bus/cbmiec/interpod.cpp...
Compiling src/devices/bus/cbmiec/serialbox.cpp...
Compiling src/devices/bus/cbmiec/vic1515.cpp...
Compiling src/devices/bus/cbmiec/vic1520.cpp...
Compiling src/devices/bus/cbus/mpu_pc98.cpp...
Compiling src/devices/bus/cbus/pc9801_118.cpp...
Compiling src/devices/bus/cbus/pc9801_26.cpp...
Compiling src/devices/bus/cbus/pc9801_86.cpp...
Compiling src/devices/bus/cbus/pc9801_amd98.cpp...
Compiling src/devices/bus/cbus/pc9801_cbus.cpp...
Compiling src/devices/bus/cbus/pc9801_snd.cpp...
Compiling src/devices/bus/centronics/chessmec.cpp...
Compiling src/devices/bus/centronics/comxpl80.cpp...
Compiling src/devices/bus/centronics/covox.cpp...
Compiling src/devices/bus/centronics/ctronics.cpp...
Compiling src/devices/bus/centronics/digiblst.cpp...
Compiling src/devices/bus/centronics/dsjoy.cpp...
Compressing src/emu/layout/ex800.lay...
Compiling src/devices/bus/centronics/epson_ex800.cpp...
Compressing src/emu/layout/lx800.lay...
Compiling src/devices/bus/centronics/epson_lx800.cpp...
Compiling src/devices/bus/centronics/epson_lx810l.cpp...
Compiling src/devices/bus/centronics/nec_p72.cpp...
Compiling src/devices/bus/centronics/printer.cpp...
Compiling src/devices/bus/centronics/samdac.cpp...
Compiling src/devices/bus/cgenie/expansion/carts.cpp...
Compiling src/devices/bus/cgenie/expansion/expansion.cpp...
Compiling src/devices/bus/cgenie/expansion/floppy.cpp...
Compiling src/devices/bus/cgenie/parallel/carts.cpp...
Compiling src/devices/bus/cgenie/parallel/joystick.cpp...
Compiling src/devices/bus/cgenie/parallel/parallel.cpp...
Compiling src/devices/bus/cgenie/parallel/printer.cpp...
Compiling src/devices/bus/chanf/rom.cpp...
Compiling src/devices/bus/chanf/slot.cpp...
Compiling src/devices/bus/coco/coco_dcmodem.cpp...
Compiling src/devices/bus/coco/coco_dwsock.cpp...
Compiling src/devices/bus/coco/coco_fdc.cpp...

```

```

Compiling src/devices/bus/coco/coco_gmc.cpp...
Compiling src/devices/bus/coco/coco_multi.cpp...
Compiling src/devices/bus/coco/coco_orch90.cpp...
Compiling src/devices/bus/coco/coco_pak.cpp...
Compiling src/devices/bus/coco/coco_psg.cpp...
Compiling src/devices/bus/coco/coco_ram.cpp...
Compiling src/devices/bus/coco/coco_rs232.cpp...
Compiling src/devices/bus/coco/coco_ssc.cpp...
Compiling src/devices/bus/coco/coco_stecomp.cpp...
Compiling src/devices/bus/coco/coco_t4426.cpp...
Compiling src/devices/bus/coco/cococart.cpp...
Compiling src/devices/bus/coco/dragon_amtor.cpp...
Compiling src/devices/bus/coco/dragon_fdc.cpp...
Compiling src/devices/bus/coco/dragon_jcbsnd.cpp...
Compiling src/devices/bus/coco/dragon_jcbbspch.cpp...
Compiling src/devices/bus/coco/dragon_sprites.cpp...
Compiling src/devices/bus/coleco/cartridge/exp.cpp...
Compiling src/devices/bus/coleco/cartridge/megacart.cpp...
Compiling src/devices/bus/coleco/cartridge/std.cpp...
Compiling src/devices/bus/coleco/cartridge/xin1.cpp...
Compiling src/devices/bus/coleco/controller/ctrl.cpp...
Compiling src/devices/bus/coleco/controller/hand.cpp...
Compiling src/devices/bus/coleco/controller/sac.cpp...
Compiling src/devices/bus/compis/graphics.cpp...
Compiling src/devices/bus/compis/hrq.cpp...
Compiling src/devices/bus/compucolor/floppy.cpp...
Compiling src/devices/bus/comx35/clm.cpp...
Compiling src/devices/bus/comx35/eprom.cpp...
Compiling src/devices/bus/comx35/exp.cpp...
Compiling src/devices/bus/comx35/expbox.cpp...
Compiling src/devices/bus/comx35/fdc.cpp...
Compiling src/devices/bus/comx35/joycard.cpp...
Compiling src/devices/bus/comx35/printer.cpp...
Compiling src/devices/bus/comx35/ram.cpp...
Compiling src/devices/bus/comx35/thermal.cpp...
Compiling src/devices/bus/cpc/amdrum.cpp...
Compiling src/devices/bus/cpc/brunword4.cpp...
Compiling src/devices/bus/cpc/cpc_pds.cpp...
Compiling src/devices/bus/cpc/cpc_rom.cpp...
Compiling src/devices/bus/cpc/cpc_rs232.cpp...
Compiling src/devices/bus/cpc/cpc_ssal.cpp...
Compiling src/devices/bus/cpc/cpcexp.cpp...
Compiling src/devices/bus/cpc/ddil.cpp...
Compiling src/devices/bus/cpc/doubler.cpp...
Compiling src/devices/bus/cpc/hd20.cpp...
Compiling src/devices/bus/cpc/magicsound.cpp...
../../../../src/devices/bus/cpc/magicsound.cpp: In member function 'virtual void
al_magicsound_device::device_start()':
..7../../../../src/devices/bus/cpc/magicsound.cpp:93:53: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = ram_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
 93 | m_ramptr = machine().device<ram_device>(": " RAM_TAG);
    |                                     ^
In file included from ../../../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:214:122: note: declared here
 214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
    |
^~~~~~
../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = ram_device]':
../../../../src/devices/bus/cpc/magicsound.cpp:93:53: required from here
../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]
 214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
    |
^~~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:213:90: note: declared here
 213 | [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
    |
^~~~~~

```

Compiling src/devices/bus/cpc/mface2.cpp...
Compiling src/devices/bus/cpc/musicmachine.cpp...
Compiling src/devices/bus/cpc/playcity.cpp...
Compiling src/devices/bus/cpc/smartwatch.cpp...
Compiling src/devices/bus/cpc/symbfac2.cpp...
Compiling src/devices/bus/cpc/transtape.cpp...
Compiling src/devices/bus/crvision/rom.cpp...
Compiling src/devices/bus/crvision/slot.cpp...
Compiling src/devices/bus/dmv/dmibus.cpp...
Compiling src/devices/bus/dmv/k012.cpp...
Compiling src/devices/bus/dmv/k210.cpp...
Compiling src/devices/bus/dmv/k220.cpp...
Compiling src/devices/bus/dmv/k230.cpp...
Compiling src/devices/bus/dmv/k233.cpp...
Compiling src/devices/bus/dmv/k801.cpp...
Compiling src/devices/bus/dmv/k803.cpp...
Compiling src/devices/bus/dmv/k806.cpp...
Compiling src/devices/bus/dmv/ram.cpp...
Compiling src/devices/bus/ecbbus/ecbbus.cpp...
Compiling src/devices/bus/ecbbus/grip.cpp...
Compiling src/devices/bus/econet/e01.cpp...
Compiling src/devices/bus/econet/econet.cpp...
Compiling src/devices/bus/einstein/pipe/pipe.cpp...
Compiling src/devices/bus/einstein/pipe/silicon_disc.cpp...
Compiling src/devices/bus/einstein/pipe/speculator.cpp...
Compiling src/devices/bus/einstein/pipe/tk02.cpp...
Compiling src/devices/bus/einstein/userport/mouse.cpp...
Compiling src/devices/bus/einstein/userport/speech.cpp...
Compiling src/devices/bus/einstein/userport/userport.cpp...
Compiling src/devices/bus/ekara/rom.cpp...
Compiling src/devices/bus/ekara/slot.cpp...
Compiling src/devices/bus/electron/cart/abr.cpp...
Compiling src/devices/bus/electron/cart/ap34.cpp...
Compiling src/devices/bus/electron/cart/ap5.cpp...
Compiling src/devices/bus/electron/cart/aqr.cpp...
Compiling src/devices/bus/electron/cart/click.cpp...
Compiling src/devices/bus/electron/cart/cumana.cpp...
Compiling src/devices/bus/electron/cart/mgc.cpp...
Compiling src/devices/bus/electron/cart/peg400.cpp...
Compiling src/devices/bus/electron/cart/rompl44.cpp...
Compiling src/devices/bus/electron/cart/rs423.cpp...
Compiling src/devices/bus/electron/cart/slot.cpp...
Compiling src/devices/bus/electron/cart/sndexp.cpp...
Compiling src/devices/bus/electron/cart/sndexp3.cpp...
Compiling src/devices/bus/electron/cart/sp64.cpp...
Compiling src/devices/bus/electron/cart/std.cpp...
Compiling src/devices/bus/electron/cart/stlefs.cpp...
Compiling src/devices/bus/electron/cart/tube.cpp...
Compiling src/devices/bus/electron/exp.cpp...
Compiling src/devices/bus/electron/fbjoy.cpp...
Compiling src/devices/bus/electron/fbprint.cpp...
Compiling src/devices/bus/electron/m2105.cpp...
Compiling src/devices/bus/electron/mode7.cpp...
Compiling src/devices/bus/electron/plus1.cpp...
Compiling src/devices/bus/electron/plus2.cpp...
Compiling src/devices/bus/electron/plus3.cpp...
Compiling src/devices/bus/electron/pwrjoy.cpp...
Compiling src/devices/bus/electron/rombox.cpp...
Compiling src/devices/bus/electron/romboxp.cpp...
Compiling src/devices/bus/electron/sidwndr.cpp...
Compiling src/devices/bus/ep64/exdos.cpp...
Compiling src/devices/bus/ep64/exp.cpp...
Compiling src/devices/bus/epson_sio/epson_sio.cpp...
Compiling src/devices/bus/epson_sio/pf10.cpp...
Compiling src/devices/bus/epson_sio/tf20.cpp...
Compiling src/devices/bus/fmt_scsi/fmt121.cpp...
Compiling src/devices/bus/fmt_scsi/fmt_scsi.cpp...
Compiling src/devices/bus/gamate/gamate_protection.cpp...
Compiling src/devices/bus/gamate/rom.cpp...
Compiling src/devices/bus/gamate/slot.cpp...
Compiling src/devices/bus/gameboy/gb_slot.cpp...
Compiling src/devices/bus/gameboy/mbc.cpp...
Compiling src/devices/bus/gameboy/rom.cpp...
Compiling src/devices/bus/gamegear/ggext.cpp...
Compiling src/devices/bus/gamegear/smsctrladp.cpp...
Compiling src/devices/bus/gba/gba_slot.cpp...
Compiling src/devices/bus/gba/rom.cpp...

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Compiling src/devices/bus/generic/carts.cpp...
Compiling src/devices/bus/generic/ram.cpp...
Compiling src/devices/bus/generic/rom.cpp...
Compiling src/devices/bus/generic/slot.cpp...
Compiling src/devices/bus/gio64/gio64.cpp...
Compiling src/devices/bus/gio64/newport.cpp...
Compiling src/devices/bus/hexbus/hexbus.cpp...
Compiling src/devices/bus/hexbus/hx5102.cpp...
Compiling src/devices/bus/hexbus/tp0370.cpp...
Compiling src/devices/bus/hp80_io/82900.cpp...
Compiling src/devices/bus/hp80_io/82937.cpp...
Compiling src/devices/bus/hp80_io/82939.cpp...
Compiling src/devices/bus/hp80_io/hp80_io.cpp...
Compiling src/devices/bus/hp9845_io/98032.cpp...
Compiling src/devices/bus/hp9845_io/98034.cpp...
Compiling src/devices/bus/hp9845_io/98035.cpp...
Compiling src/devices/bus/hp9845_io/98036.cpp...
Compiling src/devices/bus/hp9845_io/98046.cpp...
Compiling src/devices/bus/hp9845_io/hp9845_io.cpp...
Compiling src/devices/bus/hp9845_io/hp9885.cpp...
Compiling src/devices/bus/hp_dio/hp98265a.cpp...
Compiling src/devices/bus/hp_dio/hp98543.cpp...
Compiling src/devices/bus/hp_dio/hp98544.cpp...
Compiling src/devices/bus/hp_dio/hp98550.cpp...
Compiling src/devices/bus/hp_dio/hp98603a.cpp...
Compiling src/devices/bus/hp_dio/hp98603b.cpp...
Compiling src/devices/bus/hp_dio/hp98620.cpp...
Compiling src/devices/bus/hp_dio/hp98643.cpp...
Compiling src/devices/bus/hp_dio/hp98644.cpp...
Compiling src/devices/bus/hp_dio/hp_dio.cpp...
Compiling src/devices/bus/hp_dio/human_interface.cpp...
Compiling src/devices/bus/hp_hil/hil_devices.cpp...
Compiling src/devices/bus/hp_hil/hlebase.cpp...
Compiling src/devices/bus/hp_hil/hlekbd.cpp...
Compiling src/devices/bus/hp_hil/hlemouse.cpp...
Compiling src/devices/bus/hp_hil/hp_hil.cpp...
Compiling src/devices/bus/hp_ipc_io/82919.cpp...
Compiling src/devices/bus/hp_ipc_io/hp_ipc_io.cpp...
Compiling src/devices/bus/ieee488/c2031.cpp...
Compiling src/devices/bus/ieee488/c2040.cpp...
Compiling src/devices/bus/ieee488/c2040fdc.cpp...
Compiling src/devices/bus/ieee488/c8050.cpp...
Compiling src/devices/bus/ieee488/c8050fdc.cpp...
Compiling src/devices/bus/ieee488/c8280.cpp...
Compiling src/devices/bus/ieee488/d9060.cpp...
Compiling src/devices/bus/ieee488/grid2102.cpp...
Compiling src/devices/bus/ieee488/hardbox.cpp...
Compressing src/emu/layout/hp9122c.lay...
Compiling src/devices/bus/ieee488/hp9122c.cpp...
Compiling src/devices/bus/ieee488/hp9895.cpp...
Compiling src/devices/bus/ieee488/ieee488.cpp...
Compiling src/devices/bus/ieee488/remote488.cpp...
Compiling src/devices/bus/ieee488/shark.cpp...
Compiling src/devices/bus/ieee488/softbox.cpp...
Compiling src/devices/bus/imi7000/imi5000h.cpp...
Compiling src/devices/bus/imi7000/imi7000.cpp...
Compiling src/devices/bus/inteltec4/insdatastor.cpp...
Compiling src/devices/bus/inteltec4/inteltec4.cpp...
Compiling src/devices/bus/inteltec4/prommemory.cpp...
Compiling src/devices/bus/inteltec4/tapereader.cpp...
Compiling src/devices/bus/interpro/keyboard/hle.cpp...
Compiling src/devices/bus/interpro/keyboard/keyboard.cpp...
Compiling src/devices/bus/interpro/keyboard/lle.cpp...
Compiling src/devices/bus/interpro/mouse/mouse.cpp...
Compiling src/devices/bus/interpro/sr/edge.cpp...
Compiling src/devices/bus/interpro/sr/gt.cpp...
Compiling src/devices/bus/interpro/sr/sr.cpp...
Compiling src/devices/bus/interpro/sr/sr_cards.cpp...
Compiling src/devices/bus/intv/ecs.cpp...
Compiling src/devices/bus/intv/rom.cpp...
Compiling src/devices/bus/intv/slot.cpp...
Compiling src/devices/bus/intv/voice.cpp...
Compiling src/devices/bus/intv_ctrl/ctrl.cpp...
Compiling src/devices/bus/intv_ctrl/ecs_ctrl.cpp...
Compiling src/devices/bus/intv_ctrl/handctrl.cpp...
Compiling src/devices/bus/iq151/disc2.cpp...
Compiling src/devices/bus/iq151/grafik.cpp...

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Compiling src/devices/bus/iq151/iq151.cpp...
Compiling src/devices/bus/iq151/minigraf.cpp...
Compiling src/devices/bus/iq151/ms151a.cpp...
Compiling src/devices/bus/iq151/rom.cpp...
Compiling src/devices/bus/iq151/staper.cpp...
Compiling src/devices/bus/iq151/video32.cpp...
Compiling src/devices/bus/iq151/video64.cpp...
Compiling src/devices/bus/isa/3c503.cpp...
Compiling src/devices/bus/isa/3c505.cpp...
Compiling src/devices/bus/isa/acb2072.cpp...
Compiling src/devices/bus/isa/adlib.cpp...
Compiling src/devices/bus/isa/aga.cpp...
Compiling src/devices/bus/isa/aha1542b.cpp...
Compiling src/devices/bus/isa/aha1542c.cpp...
Compiling src/devices/bus/isa/aha174x.cpp...
Compiling src/devices/bus/isa/asc88.cpp...
Compiling src/devices/bus/isa/bblue2.cpp...
Compiling src/devices/bus/isa/bt54x.cpp...
Compiling src/devices/bus/isa/cga.cpp...
Compiling src/devices/bus/isa/chessmdr.cpp...
Compiling src/devices/bus/isa/chessmsr.cpp...
Compiling src/devices/bus/isa/cl_sh260.cpp...
Compiling src/devices/bus/isa/com.cpp...
Compiling src/devices/bus/isa/dcb.cpp...
Compiling src/devices/bus/isa/dectalk.cpp...
Compiling src/devices/bus/isa/ega.cpp...
Compiling src/devices/bus/isa/eis_hgb107x.cpp...
Compiling src/devices/bus/isa/eis_sad8852.cpp...
Compiling src/devices/bus/isa/eis_twib.cpp...
Compiling src/devices/bus/isa/ex1280.cpp...
Compiling src/devices/bus/isa/fdc.cpp...
Compiling src/devices/bus/isa/finalchs.cpp...
Compiling src/devices/bus/isa/gblaster.cpp...
Compiling src/devices/bus/isa/gus.cpp...
Compiling src/devices/bus/isa/hdc.cpp...
Compiling src/devices/bus/isa/ibm_mfc.cpp...
Compiling src/devices/bus/isa/ide.cpp...
Compiling src/devices/bus/isa/isa.cpp...
Compiling src/devices/bus/isa/isa_cards.cpp...
Compiling src/devices/bus/isa/lbaenhancer.cpp...
Compiling src/devices/bus/isa/lpt.cpp...
Compiling src/devices/bus/isa/mach32.cpp...
Compiling src/devices/bus/isa/mc1502_fdc.cpp...
Compiling src/devices/bus/isa/mc1502_rom.cpp...
Compiling src/devices/bus/isa/mcd.cpp...
Compiling src/devices/bus/isa/mda.cpp...
Compiling src/devices/bus/isa/mpu401.cpp...
Compiling src/devices/bus/isa/mufdc.cpp...
Compiling src/devices/bus/isa/myb3k_com.cpp...
Compiling src/devices/bus/isa/myb3k_fdc.cpp...
Compiling src/devices/bus/isa/ne1000.cpp...
Compiling src/devices/bus/isa/ne2000.cpp...
Compiling src/devices/bus/isa/np600.cpp...
Compiling src/devices/bus/isa/num9rev.cpp...
Compiling src/devices/bus/isa/omti8621.cpp...
Compiling src/devices/bus/isa/pl_fdc.cpp...
Compiling src/devices/bus/isa/pl_hdc.cpp...
Compiling src/devices/bus/isa/pl_rom.cpp...
Compiling src/devices/bus/isa/pl_sound.cpp...
Compiling src/devices/bus/isa/pcl640_iga.cpp...
Compiling src/devices/bus/isa/pcmidi.cpp...
Compiling src/devices/bus/isa/pds.cpp...
Compiling src/devices/bus/isa/pgc.cpp...
Compiling src/devices/bus/isa/s3virge.cpp...
Compiling src/devices/bus/isa/sbl6.cpp...
Compiling src/devices/bus/isa/sblaster.cpp...
Compiling src/devices/bus/isa/sc499.cpp...
Compiling src/devices/bus/isa/side116.cpp...
Compiling src/devices/bus/isa/ssi2001.cpp...
Compiling src/devices/bus/isa/stereo_fx.cpp...
Compiling src/devices/bus/isa/svg_a_cirrus.cpp...
Compiling src/devices/bus/isa/svg_a_s3.cpp...
Compiling src/devices/bus/isa/svg_a_trident.cpp...
Compiling src/devices/bus/isa/svg_a_tseng.cpp...
Compiling src/devices/bus/isa/tekram_dc820.cpp...
Compiling src/devices/bus/isa/trident.cpp...
Compiling src/devices/bus/isa/ultra12f.cpp...

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Compiling src/devices/bus/isa/ultra14f.cpp...
Compiling src/devices/bus/isa/ultra24f.cpp...
Compiling src/devices/bus/isa/vga.cpp...
Compiling src/devices/bus/isa/vga_ati.cpp...
Compiling src/devices/bus/isa/wd1002a_wx1.cpp...
Compiling src/devices/bus/isa/wd1007a.cpp...
Compiling src/devices/bus/isa/wdxt_gen.cpp...
Compiling src/devices/bus/isa/xsu_cards.cpp...
Compiling src/devices/bus/isa/xtide.cpp...
Compiling src/devices/bus/isbx/compis_fdc.cpp...
Compiling src/devices/bus/isbx/isbc_218a.cpp...
Compiling src/devices/bus/isbx/isbx.cpp...
Compiling src/devices/bus/jakks_gamekey/rom.cpp...
Compiling src/devices/bus/jakks_gamekey/slot.cpp...
Compiling src/devices/bus/kc/d002.cpp...
Compiling src/devices/bus/kc/d004.cpp...
Compiling src/devices/bus/kc/kc.cpp...
Compiling src/devices/bus/kc/ram.cpp...
Compiling src/devices/bus/kc/rom.cpp...
Compiling src/devices/bus/lpci/cirrus.cpp...
Compiling src/devices/bus/lpci/i8237lab.cpp...
Compiling src/devices/bus/lpci/i82371sb.cpp...
Compiling src/devices/bus/lpci/i82439tx.cpp...
Compiling src/devices/bus/lpci/mpc105.cpp...
Compiling src/devices/bus/lpci/northbridge.cpp...
Compiling src/devices/bus/lpci/pci.cpp...
Compiling src/devices/bus/lpci/southbridge.cpp...
Compiling src/devices/bus/lpci/vt82c505.cpp...
Compiling src/devices/bus/m5/rom.cpp...
Compiling src/devices/bus/m5/slot.cpp...
Compiling src/devices/bus/mackbd/keyboard.cpp...
Compiling src/devices/bus/mackbd/mackbd.cpp...
Compiling src/devices/bus/mackbd/pluskbd.cpp...
Compiling src/devices/bus/macpds/hyperdrive.cpp...
Compiling src/devices/bus/macpds/macpds.cpp...
../../../../../../../../src/devices/bus/macpds/macpds.cpp: In member function 'virtual void
macpds_device::device_start()':
../../../../../../../../src/devices/bus/macpds/macpds.cpp:83:51: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
   83 | m_maincpu = machine().device<cpu_device>(m_cputag);
      |
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
   214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~
../../../../../../../../src/devices/bus/macpds/macpds.cpp: In member function 'void
macpds_device::install_bank(offs_t, offs_t, const char*, uint8_t*)':
../../../../../../../../src/devices/bus/macpds/macpds.cpp:117:51: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
   117 | m_maincpu = machine().device<cpu_device>(m_cputag);
      |
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
   214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~
../../../../../../../../src/devices/bus/macpds/macpds.cpp: In member function 'void
device_macpds_card_interface::set_macpds_device()':
../../../../../../../../src/devices/bus/macpds/macpds.cpp:159:81: warning: 'device_t*
running_machine::device(const char*) const' is deprecated: absolute tag lookup; use subdevice
or finder instead [-Wdeprecated-declarations]
   159 | m_macpds = dynamic_cast<macpds_device *>(device().machine().device(m_macpds_tag));
      |
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:213:90: note: declared here
   213 | [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
      |
~~~~~
In file included from ../../../../../../src/emu/emu.h:87:

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../../../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]':
../../../../../../src/devices/bus/macpds/macpds.cpp:83:51:   required from here
../../../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]
   214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
      |
~~~~~^~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:213:90: note: declared here
   213 |   [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
      |
      |
~~~~~^~~~~
../../../../../../src/devices/bus/macpds/macpds.cpp: In instantiation of 'void
macpds_device::install_device(off_t, off_t, R, W, uint32_t) [with R =
emu::device_delegate<unsigned char(address_space&, unsigned int, unsigned char)>; W =
emu::device_delegate<void(address_space&, unsigned int, unsigned char, unsigned char)>; off_t
= unsigned int; uint32_t = unsigned int]':
../../../../../../src/devices/bus/macpds/macpds.cpp:105:180:   required from here
../../../../../../src/devices/bus/macpds/macpds.cpp:101:42: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
   101 |   m_maincpu = machine().device<cpu_device>(m_cputag);
      |
      |
~~~~~^~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
   214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
      |
~~~~~^~~~~
../../../../../../src/devices/bus/macpds/macpds.cpp: In instantiation of 'void
macpds_device::install_device(off_t, off_t, R, W, uint32_t) [with R =
emu::device_delegate<unsigned char(unsigned int, unsigned char)>; W =
emu::device_delegate<void(unsigned int, unsigned char, unsigned char)>; off_t = unsigned int;
uint32_t = unsigned int]':
../../../../../../src/devices/bus/macpds/macpds.cpp:106:181:   required from here
../../../../../../src/devices/bus/macpds/macpds.cpp:101:42: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
   101 |   m_maincpu = machine().device<cpu_device>(m_cputag);
      |
      |
~~~~~^~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
   214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
      |
~~~~~^~~~~
../../../../../../src/devices/bus/macpds/macpds.cpp: In instantiation of 'void
macpds_device::install_device(off_t, off_t, R, W, uint32_t) [with R =
emu::device_delegate<unsigned char(unsigned int)>; W = emu::device_delegate<void(unsigned int,
unsigned char)>; off_t = unsigned int; uint32_t = unsigned int]':
../../../../../../src/devices/bus/macpds/macpds.cpp:107:182:   required from here
../../../../../../src/devices/bus/macpds/macpds.cpp:101:42: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
   101 |   m_maincpu = machine().device<cpu_device>(m_cputag);
      |
      |
~~~~~^~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
   214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
      |
~~~~~^~~~~
../../../../../../src/devices/bus/macpds/macpds.cpp: In instantiation of 'void
macpds_device::install_device(off_t, off_t, R, W, uint32_t) [with R =
emu::device_delegate<unsigned char()>; W = emu::device_delegate<void(unsigned char)>; off_t =
unsigned int; uint32_t = unsigned int]':
../../../../../../src/devices/bus/macpds/macpds.cpp:108:183:   required from here

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../../../../../../src/devices/bus/macpds/macpds.cpp:101:42: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  101 | m_maincpu = machine().device<cpu_device>(m_cputag);
      |
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~
../../../../../../src/devices/bus/macpds/macpds.cpp: In instantiation of 'void
macpds_device::install_device(off_t, off_t, R, W, uint32_t) [with R =
emu::device_delegate<short unsigned int(address_space&, unsigned int, short unsigned int)>; W
= emu::device_delegate<void(address_space&, unsigned int, short unsigned int, short unsigned
int)>; off_t = unsigned int; uint32_t = unsigned int]':
../../../../../../src/devices/bus/macpds/macpds.cpp:109:181: required from here
../../../../../../src/devices/bus/macpds/macpds.cpp:101:42: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  101 | m_maincpu = machine().device<cpu_device>(m_cputag);
      |
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~
../../../../../../src/devices/bus/macpds/macpds.cpp: In instantiation of 'void
macpds_device::install_device(off_t, off_t, R, W, uint32_t) [with R =
emu::device_delegate<short unsigned int(unsigned int, short unsigned int)>; W =
emu::device_delegate<void(unsigned int, short unsigned int, short unsigned int)>; off_t =
unsigned int; uint32_t = unsigned int]':
../../../../../../src/devices/bus/macpds/macpds.cpp:110:182: required from here
../../../../../../src/devices/bus/macpds/macpds.cpp:101:42: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  101 | m_maincpu = machine().device<cpu_device>(m_cputag);
      |
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~
../../../../../../src/devices/bus/macpds/macpds.cpp: In instantiation of 'void
macpds_device::install_device(off_t, off_t, R, W, uint32_t) [with R =
emu::device_delegate<short unsigned int(unsigned int)>; W = emu::device_delegate<void(unsigned
int, short unsigned int)>; off_t = unsigned int; uint32_t = unsigned int]':
../../../../../../src/devices/bus/macpds/macpds.cpp:111:183: required from here
../../../../../../src/devices/bus/macpds/macpds.cpp:101:42: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  101 | m_maincpu = machine().device<cpu_device>(m_cputag);
      |
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~
../../../../../../src/devices/bus/macpds/macpds.cpp: In instantiation of 'void
macpds_device::install_device(off_t, off_t, R, W, uint32_t) [with R =
emu::device_delegate<short unsigned int>; W = emu::device_delegate<void(short unsigned
int)>; off_t = unsigned int; uint32_t = unsigned int]':
../../../../../../src/devices/bus/macpds/macpds.cpp:112:184: required from here
../../../../../../src/devices/bus/macpds/macpds.cpp:101:42: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  101 | m_maincpu = machine().device<cpu_device>(m_cputag);
      |
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here

```

```

214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~
Compiling src/devices/bus/macpds/pds_tpdfpd.cpp...
Compiling src/devices/bus/megadrive/eprom.cpp...
Compiling src/devices/bus/megadrive/ggenie.cpp...
Compiling src/devices/bus/megadrive/jcart.cpp...
Compiling src/devices/bus/megadrive/md_carts.cpp...
Compiling src/devices/bus/megadrive/md_slot.cpp...
Compiling src/devices/bus/megadrive/rom.cpp...
../../../../../../../../src/devices/bus/megadrive/rom.cpp: In member function 'virtual uint16_t
md_rom_chinf3_device::read(off_t)':
../../../../../../../../src/devices/bus/megadrive/rom.cpp:631:45: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
631 |     if (machine().device<cpu_device>("maincpu")->pc() == 0x01782) // makes 'VS' screen
appear
|
|
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~
../../../../../../../../src/devices/bus/megadrive/rom.cpp:633:51: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
633 |     retdat = machine().device<cpu_device>("maincpu")->state_int(M68K_D3) & 0xff;
|
|
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~
../../../../../../../../src/devices/bus/megadrive/rom.cpp:637:50: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
637 |     else if (machine().device<cpu_device>("maincpu")->pc() == 0x1c24) // background gfx
etc.
|
|
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~
../../../../../../../../src/devices/bus/megadrive/rom.cpp:639:51: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
639 |     retdat = machine().device<cpu_device>("maincpu")->state_int(M68K_D3) & 0xff;
|
|
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~
../../../../../../../../src/devices/bus/megadrive/rom.cpp:643:50: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
643 |     else if (machine().device<cpu_device>("maincpu")->pc() == 0x10c4a) // unknown
|
|
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~

```

```

../../../../../../src/devices/bus/megadrive/rom.cpp:647:50: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  647 |     else if (machine().device<cpu_device>("maincpu")->pc() == 0x10c50) // unknown
      |                                     ^
In file included from ../../../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
../../../../../../src/devices/bus/megadrive/rom.cpp:651:50: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  651 |     else if (machine().device<cpu_device>("maincpu")->pc() == 0x10c52) // relates to the
game speed..
      |                                     ^
In file included from ../../../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
../../../../../../src/devices/bus/megadrive/rom.cpp:653:51: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  653 |     retdat = machine().device<cpu_device>("maincpu")->state_int(M68K_D4) & 0xff;
      |                                     ^
In file included from ../../../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
../../../../../../src/devices/bus/megadrive/rom.cpp:657:50: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  657 |     else if (machine().device<cpu_device>("maincpu")->pc() == 0x061ae)
      |                                     ^
In file included from ../../../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
../../../../../../src/devices/bus/megadrive/rom.cpp:659:51: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  659 |     retdat = machine().device<cpu_device>("maincpu")->state_int(M68K_D3) & 0xff;
      |                                     ^
In file included from ../../../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
../../../../../../src/devices/bus/megadrive/rom.cpp:663:50: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  663 |     else if (machine().device<cpu_device>("maincpu")->pc() == 0x061b0)
      |                                     ^
In file included from ../../../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
../../../../../../src/devices/bus/megadrive/rom.cpp:665:51: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  665 |     retdat = machine().device<cpu_device>("maincpu")->state_int(M68K_D3) & 0xff;

```

```

|
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:214:122: note: declared here
  214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~
../../../../src/devices/bus/megadrive/rom.cpp:671:82: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  671 | logerror("%06x chifi3, prot_r? %04x\n", machine().device<cpu_device>("maincpu")-
>pc(), offset);
|
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:214:122: note: declared here
  214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~
../../../../src/devices/bus/megadrive/rom.cpp: In member function 'virtual void
md_rom_chinf3_device::write(off_t, uint16_t, uint16_t)':
../../../../src/devices/bus/megadrive/rom.cpp:696:86: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  696 | logerror("%06x chifi3, bankw? %04x %04x\n",
machine().device<cpu_device>("maincpu")->pc(), offset, data);
|
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:214:122: note: declared here
  214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~
../../../../src/devices/bus/megadrive/rom.cpp: In member function 'virtual uint16_t
md_rom_topf_device::read(off_t)':
../../../../src/devices/bus/megadrive/rom.cpp:1296:45: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  1296 | if (machine().device<cpu_device>("maincpu")->pc()==0x1771a2) return 0x50;
|
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:214:122: note: declared here
  214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~
../../../../src/devices/bus/megadrive/rom.cpp:1300:81: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  1300 | logerror("%06x topfig_6BD294_r %04x\n",machine().device<cpu_device>("maincpu")-
>pc(), m_latch);
|
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:214:122: note: declared here
  214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~
../../../../src/devices/bus/megadrive/rom.cpp:1306:45: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  1306 | if (machine().device<cpu_device>("maincpu")->pc()==0x4C94E)
|
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:214:122: note: declared here
  214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~

```



```

../../../../../../../../src/devices/bus/megadrive/rom.cpp:1307:49: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
 1307 |     return machine().device<cpu_device>("maincpu")->state_int((M68K_D0)) & 0xff;
      |
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
 214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
../../../../../../../../src/devices/bus/megadrive/rom.cpp:1311:82: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
 1311 |     logerror("%06x topfig_6F5344_r %04x\n", machine().device<cpu_device>("maincpu")-
>pc(), m_latch);
      |
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
 214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
../../../../../../../../src/devices/bus/megadrive/rom.cpp: In member function 'virtual void
md_rom_topf_device::write(off_t, uint16_t, uint16_t)':
../../../../../../../../src/devices/bus/megadrive/rom.cpp:1349:84: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
 1349 |     logerror("%06x offset %06x, data %04x\n", machine().device<cpu_device>("maincpu")-
>pc(), offset, data);
      |
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
 214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
../../../../../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]':
../../../../../../../../src/devices/bus/megadrive/rom.cpp:631:45: required from here
../../../../../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]
 214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:213:90: note: declared here
 213 |     [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
      |
^~~~~~
Compiling src/devices/bus/megadrive/sk.cpp...
Compiling src/devices/bus/megadrive/stm95.cpp...
Compiling src/devices/bus/megadrive/svp.cpp...
Compiling src/devices/bus/midi/midi.cpp...
Compiling src/devices/bus/midi/midiimport.cpp...
Compiling src/devices/bus/midi/midiexport.cpp...
Compiling src/devices/bus/msx_cart/arc.cpp...
Compiling src/devices/bus/msx_cart/ascii.cpp...
Compiling src/devices/bus/msx_cart/bm_012.cpp...
Compiling src/devices/bus/msx_cart/cartridge.cpp...
Compiling src/devices/bus/msx_cart/crossblaim.cpp...
Compiling src/devices/bus/msx_cart/disk.cpp...
Compiling src/devices/bus/msx_cart/dooly.cpp...
Compiling src/devices/bus/msx_cart/fmpac.cpp...
Compiling src/devices/bus/msx_cart/fs_sr022.cpp...
Compiling src/devices/bus/msx_cart/halnote.cpp...
Compiling src/devices/bus/msx_cart/hfox.cpp...
Compiling src/devices/bus/msx_cart/holy_quran.cpp...
Compiling src/devices/bus/msx_cart/ink.cpp...
Compiling src/devices/bus/msx_cart/konami.cpp...

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Compiling src/devices/bus/msx_cart/korean.cpp...
Compiling src/devices/bus/msx_cart/majutsushi.cpp...
Compiling src/devices/bus/msx_cart/moonsound.cpp...
Compiling src/devices/bus/msx_cart/msx_audio.cpp...
Compiling src/devices/bus/msx_cart/msx_audio_kb.cpp...
Compiling src/devices/bus/msx_cart/msxdos2.cpp...
Compiling src/devices/bus/msx_cart/nomapper.cpp...
Compiling src/devices/bus/msx_cart/rtype.cpp...
Compiling src/devices/bus/msx_cart/super_swangi.cpp...
Compiling src/devices/bus/msx_cart/superloderunner.cpp...
Compiling src/devices/bus/msx_cart/yamaha.cpp...
../../../../../../../../src/devices/bus/msx_cart/yamaha.cpp: In member function 'virtual void
msx_cart_sfg_device::device_start()':
../../../../../../../../src/devices/bus/msx_cart/yamaha.cpp:115:62: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  115 |   cpu_device *maincpu = machine().device<cpu_device>("maincpu");
      |
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~
../../../../../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]':
../../../../../../../../src/devices/bus/msx_cart/yamaha.cpp:115:62:   required from here
../../../../../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]
  214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:213:90: note: declared here
  213 |   [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
      |
~~~~~
Compiling src/devices/bus/msx_slot/bunsetsu.cpp...
Compiling src/devices/bus/msx_slot/cartridge.cpp...
Compiling src/devices/bus/msx_slot/disk.cpp...
Compiling src/devices/bus/msx_slot/fs4600.cpp...
Compiling src/devices/bus/msx_slot/music.cpp...
Compiling src/devices/bus/msx_slot/panasonic08.cpp...
Compiling src/devices/bus/msx_slot/ram.cpp...
Compiling src/devices/bus/msx_slot/ram_mm.cpp...
Compiling src/devices/bus/msx_slot/rom.cpp...
Compiling src/devices/bus/msx_slot/slot.cpp...
Compiling src/devices/bus/msx_slot/sony08.cpp...
Compiling src/devices/bus/mtx/exp.cpp...
Compiling src/devices/bus/mtx/sdx.cpp...
Compiling src/devices/bus/multibus/isbc202.cpp...
Compiling src/devices/bus/multibus/multibus.cpp...
Compiling src/devices/bus/nasbus/avc.cpp...
Compiling src/devices/bus/nasbus/cards.cpp...
Compiling src/devices/bus/nasbus/floppy.cpp...
Compiling src/devices/bus/nasbus/nasbus.cpp...
Compiling src/devices/bus/neogeo/boot_cthd.cpp...
Compiling src/devices/bus/neogeo/boot_kof10th.cpp...
Compiling src/devices/bus/neogeo/boot_kof2k2.cpp...
Compiling src/devices/bus/neogeo/boot_kof2k3.cpp...
Compiling src/devices/bus/neogeo/boot_misc.cpp...
Compiling src/devices/bus/neogeo/boot_svc.cpp...
Compiling src/devices/bus/neogeo/carts.cpp...
Compiling src/devices/bus/neogeo/cmc.cpp...
Compiling src/devices/bus/neogeo/fatfury2.cpp...
Compiling src/devices/bus/neogeo/kof2k2.cpp...
Compiling src/devices/bus/neogeo/kof98.cpp...
Compiling src/devices/bus/neogeo/mslugx.cpp...
Compiling src/devices/bus/neogeo/pcm2.cpp...
Compiling src/devices/bus/neogeo/prot_cmc.cpp...
Compiling src/devices/bus/neogeo/prot_cthd.cpp...
Compiling src/devices/bus/neogeo/prot_fatfury2.cpp...

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Compiling src/devices/bus/neogeo/prot_kof2k2.cpp...
Compiling src/devices/bus/neogeo/prot_kof2k3bl.cpp...
Compiling src/devices/bus/neogeo/prot_kof98.cpp...
Compiling src/devices/bus/neogeo/prot_misc.cpp...
Compiling src/devices/bus/neogeo/prot_mslugx.cpp...
Compiling src/devices/bus/neogeo/prot_pcm2.cpp...
Compiling src/devices/bus/neogeo/prot_pvc.cpp...
Compiling src/devices/bus/neogeo/prot_sma.cpp...
Compiling src/devices/bus/neogeo/pvc.cpp...
Compiling src/devices/bus/neogeo/rom.cpp...
Compiling src/devices/bus/neogeo/sbp.cpp...
Compiling src/devices/bus/neogeo/slot.cpp...
Compiling src/devices/bus/neogeo/sma.cpp...
Compiling src/devices/bus/neogeo_ctrl/ctrl.cpp...
Compiling src/devices/bus/neogeo_ctrl/dial.cpp...
Compiling src/devices/bus/neogeo_ctrl/irrmaze.cpp...
Compiling src/devices/bus/neogeo_ctrl/joystick.cpp...
Compiling src/devices/bus/neogeo_ctrl/kizuna4p.cpp...
Compiling src/devices/bus/neogeo_ctrl/mahjong.cpp...
Compiling src/devices/bus/nes/2a03pur.cpp...
Compiling src/devices/bus/nes/act53.cpp...
Compiling src/devices/bus/nes/aladdin.cpp...
Compiling src/devices/bus/nes/ave.cpp...
Compiling src/devices/bus/nes/bandai.cpp...
Compiling src/devices/bus/nes/benshieng.cpp...
Compiling src/devices/bus/nes/bootleg.cpp...
Compiling src/devices/bus/nes/camerica.cpp...
Compiling src/devices/bus/nes/cne.cpp...
Compiling src/devices/bus/nes/cony.cpp...
Compiling src/devices/bus/nes/datach.cpp...
Compiling src/devices/bus/nes/discrete.cpp...
Compiling src/devices/bus/nes/disksys.cpp...
Compiling src/devices/bus/nes/event.cpp...
Compiling src/devices/bus/nes/ggenie.cpp...
Compiling src/devices/bus/nes/henggedianzi.cpp...
Compiling src/devices/bus/nes/hes.cpp...
Compiling src/devices/bus/nes/hosenkan.cpp...
Compiling src/devices/bus/nes/irem.cpp...
Compiling src/devices/bus/nes/jaleco.cpp...
Compiling src/devices/bus/nes/jy.cpp...
Compiling src/devices/bus/nes/kaiser.cpp...
Compiling src/devices/bus/nes/karastudio.cpp...
Compiling src/devices/bus/nes/konami.cpp...
Compiling src/devices/bus/nes/legacy.cpp...
Compiling src/devices/bus/nes/mmc1.cpp...
Compiling src/devices/bus/nes/mmc2.cpp...
Compiling src/devices/bus/nes/mmc3.cpp...
Compiling src/devices/bus/nes/mmc3_clones.cpp...
Compiling src/devices/bus/nes/mmc5.cpp...
Compiling src/devices/bus/nes/multigame.cpp...
Compiling src/devices/bus/nes/namcot.cpp...
Compiling src/devices/bus/nes/nanjing.cpp...
Compiling src/devices/bus/nes/nes_carts.cpp...
Compiling src/devices/bus/nes/nes_slot.cpp...
Compiling src/devices/bus/nes/ntdec.cpp...
Compiling src/devices/bus/nes/nxrom.cpp...
Compiling src/devices/bus/nes/pirate.cpp...
Compiling src/devices/bus/nes/pt554.cpp...
Compiling src/devices/bus/nes/racermate.cpp...
Compiling src/devices/bus/nes/rcm.cpp...
Compiling src/devices/bus/nes/rexsoft.cpp...
Compiling src/devices/bus/nes/sachen.cpp...
Compiling src/devices/bus/nes/somari.cpp...
Compiling src/devices/bus/nes/subor.cpp...
Compiling src/devices/bus/nes/sunsoft.cpp...
Compiling src/devices/bus/nes/sunsoft_dcs.cpp...
Compiling src/devices/bus/nes/taito.cpp...
Compiling src/devices/bus/nes/tengen.cpp...
Compiling src/devices/bus/nes/txc.cpp...
Compiling src/devices/bus/nes/waixing.cpp...
Compiling src/devices/bus/nes/zemina.cpp...
Compiling src/devices/bus/nes_ctrl/4score.cpp...
Compiling src/devices/bus/nes_ctrl/arkpaddle.cpp...
Compiling src/devices/bus/nes_ctrl/bcbattle.cpp...
./../.././../../src/devices/bus/nes_ctrl/bcbattle.cpp: In member function 'virtual void
nes_bcbattle_device::device_start()':

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../../../../../../src/devices/bus/nes_ctrl/bcbattle.cpp:100:81: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  100 | battler_timer->adjust(attotime::zero, 0, machine().device<cpu_device>("maincpu")-
>cycles_to_attotime(1000));
      |
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
../../../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]':
../../../../../../src/devices/bus/nes_ctrl/bcbattle.cpp:100:81:   required from here
../../../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]
  214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~^~~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:213:90: note: declared here
  213 | [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
      |
^~~~~~
Compiling src/devices/bus/nes_ctrl/ctrl.cpp...
Compiling src/devices/bus/nes_ctrl/fckeybrd.cpp...
Compiling src/devices/bus/nes_ctrl/ftrainer.cpp...
Compiling src/devices/bus/nes_ctrl/hori.cpp...
Compiling src/devices/bus/nes_ctrl/joypad.cpp...
Compiling src/devices/bus/nes_ctrl/konamihs.cpp...
Compiling src/devices/bus/nes_ctrl/miracle.cpp...
../../../../../../src/devices/bus/nes_ctrl/miracle.cpp: In member function 'virtual void
nes_miracle_device::write(uint8_t)':
../../../../../../src/devices/bus/nes_ctrl/miracle.cpp:160:81: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  160 | strobe_timer->adjust(attotime::zero, 0, machine().device<cpu_device>("maincpu")-
>cycles_to_attotime(1));
      |
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
../../../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]':
../../../../../../src/devices/bus/nes_ctrl/miracle.cpp:160:81:   required from here
../../../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]
  214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~^~~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:213:90: note: declared here
  213 | [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
      |
^~~~~~
Compiling src/devices/bus/nes_ctrl/mjpanel.cpp...
Compiling src/devices/bus/nes_ctrl/pachinko.cpp...
Compiling src/devices/bus/nes_ctrl/partytap.cpp...
Compiling src/devices/bus/nes_ctrl/powerpad.cpp...
Compiling src/devices/bus/nes_ctrl/suborkey.cpp...
Compiling src/devices/bus/nes_ctrl/zapper.cpp...
Compiling src/devices/bus/newbrain/eim.cpp...
Compiling src/devices/bus/newbrain/exp.cpp...

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Compiling src/devices/bus/newbrain/fdc.cpp...
Compiling src/devices/bus/nscsi/cd.cpp...
Compiling src/devices/bus/nscsi/cdd2000.cpp...
Compiling src/devices/bus/nscsi/cdrn820s.cpp...
Compiling src/devices/bus/nscsi/cw7501.cpp...
Compiling src/devices/bus/nscsi/devices.cpp...
Compiling src/devices/bus/nscsi/hd.cpp...
Compiling src/devices/bus/nscsi/sl410.cpp...
Compiling src/devices/bus/nscsi/smoc501.cpp...
Compiling src/devices/bus/nubus/bootbug.cpp...
Compiling src/devices/bus/nubus/laserview.cpp...
Compiling src/devices/bus/nubus/nubus.cpp...
Compiling src/devices/bus/nubus/nubus_48gc.cpp...
Compiling src/devices/bus/nubus/nubus_asntmc3b.cpp...
Compiling src/devices/bus/nubus/nubus_cb264.cpp...
Compiling src/devices/bus/nubus/nubus_image.cpp...
Compiling src/devices/bus/nubus/nubus_m2hires.cpp...
Compiling src/devices/bus/nubus/nubus_m2video.cpp...
Compiling src/devices/bus/nubus/nubus_radiustpd.cpp...
Compiling src/devices/bus/nubus/nubus_spec8.cpp...
Compiling src/devices/bus/nubus/nubus_specpdq.cpp...
Compiling src/devices/bus/nubus/nubus_vikbw.cpp...
Compiling src/devices/bus/nubus/nubus_wspportrait.cpp...
Compiling src/devices/bus/nubus/pds30_30hr.cpp...
Compiling src/devices/bus/nubus/pds30_cb264.cpp...
Compiling src/devices/bus/nubus/pds30_mc30.cpp...
Compiling src/devices/bus/nubus/pds30_procolor816.cpp...
Compiling src/devices/bus/nubus/pds30_sigmalview.cpp...
Compiling src/devices/bus/nubus/quadralink.cpp...
Compiling src/devices/bus/odyssey2/4in1.cpp...
Compiling src/devices/bus/odyssey2/chess.cpp...
Compiling src/devices/bus/odyssey2/homecomp.cpp...
Compiling src/devices/bus/odyssey2/ktaa.cpp...
Compiling src/devices/bus/odyssey2/rally.cpp...
Compiling src/devices/bus/odyssey2/rom.cpp...
Compiling src/devices/bus/odyssey2/slot.cpp...
Compiling src/devices/bus/odyssey2/voice.cpp...
Compiling src/devices/bus/oricext/jasmin.cpp...
Compiling src/devices/bus/oricext/microdisc.cpp...
Compiling src/devices/bus/oricext/oricext.cpp...
../../../../src/devices/bus/oricext/oricext.cpp: In member function 'virtual void
device_oricext_interface::interface_pre_start()':
../../../../src/devices/bus/oricext/oricext.cpp:67:54: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = m6502_device]' is deprecated:
absolute tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
   67 |   cpu = device().machine().device<m6502_device>(cputag);
      |                                     ^
In file included from ../../../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:214:122: note: declared here
   214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = m6502_device]':
../../../../src/devices/bus/oricext/oricext.cpp:67:54:   required from here
../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]
   214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:213:90: note: declared here
   213 |   [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
      |
^~~~~~
Compiling src/devices/bus/pasopia/pac2.cpp...
Compiling src/devices/bus/pasopia/pac2exp.cpp...
Compiling src/devices/bus/pasopia/rampac2.cpp...
Compiling src/devices/bus/pasopia/rompac2.cpp...
Compiling src/devices/bus/pc1512/mouse.cpp...
Compiling src/devices/bus/pc_joy/pc_joy.cpp...

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Compiling src/devices/bus/pc_joy/pc_joy_sw.cpp...
Compiling src/devices/bus/pc_kbd/ec1841.cpp...
Compiling src/devices/bus/pc_kbd/hle_mouse.cpp...
Compiling src/devices/bus/pc_kbd/iskr1030.cpp...
Compiling src/devices/bus/pc_kbd/keyboards.cpp...
Compiling src/devices/bus/pc_kbd/keytro.cpp...
Compiling src/devices/bus/pc_kbd/msnat.cpp...
Compiling src/devices/bus/pc_kbd/pc83.cpp...
Compiling src/devices/bus/pc_kbd/pc_kbdc.cpp...
Compiling src/devices/bus/pc_kbd/pcat101.cpp...
Compiling src/devices/bus/pc_kbd/pcat84.cpp...
Compiling src/devices/bus/pc_kbd/pcxt83.cpp...
Compiling src/devices/bus/pce/pce_rom.cpp...
Compiling src/devices/bus/pce/pce_slot.cpp...
Compiling src/devices/bus/pet/2joysnd.cpp...
Compiling src/devices/bus/pet/64k.cpp...
Compiling src/devices/bus/pet/c2n.cpp...
Compiling src/devices/bus/pet/cass.cpp...
Compiling src/devices/bus/pet/cb2snd.cpp...
Compiling src/devices/bus/pet/diag.cpp...
Compiling src/devices/bus/pet/diag264_lb_tape.cpp...
Compiling src/devices/bus/pet/exp.cpp...
Compiling src/devices/bus/pet/hsg.cpp...
Compiling src/devices/bus/pet/petuja.cpp...
Compiling src/devices/bus/pet/superpet.cpp...
Compiling src/devices/bus/pet/user.cpp...
Compiling src/devices/bus/plus4/c1551.cpp...
Compiling src/devices/bus/plus4/diag264_lb_user.cpp...
Compiling src/devices/bus/plus4/exp.cpp...
../../../../../../../../src/devices/bus/plus4/exp.cpp: In member function 'virtual void
plus4_expansion_slot_device::device_start()':
../../../../../../../../src/devices/bus/plus4/exp.cpp:102:109: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = plus4_expansion_slot_device]' is
deprecated: absolute tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  102 |   plus4_expansion_slot_device *root =
machine().device<plus4_expansion_slot_device>(PLUS4_EXPANSION_SLOT_TAG);
      |
      ^
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
      ^~~~~~
../../../../../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = plus4_expansion_slot_device]':
../../../../../../../../src/devices/bus/plus4/exp.cpp:102:109:   required from here
../../../../../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]
  214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
      ^~~~~~^~~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:213:90: note: declared here
  213 |   [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
      |
      ^~~~~~
Compiling src/devices/bus/plus4/sid.cpp...
Compiling src/devices/bus/plus4/std.cpp...
Compiling src/devices/bus/plus4/user.cpp...
Compiling src/devices/bus/pofo/ccm.cpp...
Compiling src/devices/bus/pofo/exp.cpp...
Compiling src/devices/bus/pofo/hpc101.cpp...
Compiling src/devices/bus/pofo/hpc102.cpp...
Compiling src/devices/bus/pofo/hpc104.cpp...
Compiling src/devices/bus/pofo/ram.cpp...
Compiling src/devices/bus/pofo/rom.cpp...
Compiling src/devices/bus/psi_kbd/ergoline.cpp...
Compiling src/devices/bus/psi_kbd/hle.cpp...
Compiling src/devices/bus/psi_kbd/psi_kbd.cpp...
Compiling src/devices/bus/psx/analogue.cpp...
Compiling src/devices/bus/psx/ctrlrport.cpp...

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Compiling src/devices/bus/psx/gamebooster.cpp...
Compiling src/devices/bus/psx/memcard.cpp...
Compiling src/devices/bus/psx/multitap.cpp...
Compiling src/devices/bus/psx/parallel.cpp...
Compiling src/devices/bus/qbus/pc11.cpp...
Compiling src/devices/bus/qbus/qbus.cpp...
Compiling src/devices/bus/qbus/qtz.cpp...
Compiling src/devices/bus/ql/cst_q_plus4.cpp...
Compiling src/devices/bus/ql/cst_qdisc.cpp...
Compiling src/devices/bus/ql/cumana_fdi.cpp...
Compiling src/devices/bus/ql/exp.cpp...
Compiling src/devices/bus/ql/kempston_di.cpp...
Compiling src/devices/bus/ql/miracle_gold_card.cpp...
Compiling src/devices/bus/ql/miracle_hd.cpp...
Compiling src/devices/bus/ql/mp_fdi.cpp...
Compiling src/devices/bus/ql/opd_basic_master.cpp...
Compiling src/devices/bus/ql/pcml_qdisk.cpp...
Compiling src/devices/bus/ql/qubide.cpp...
Compiling src/devices/bus/ql/rom.cpp...
Compiling src/devices/bus/ql/sandy_superdisk.cpp...
Compiling src/devices/bus/ql/sandy_superqboard.cpp...
Compiling src/devices/bus/ql/std.cpp...
Compiling src/devices/bus/ql/trumpcard.cpp...
Compiling src/devices/bus/rs232/exorterm.cpp...
Compiling src/devices/bus/rs232/hlemouse.cpp...
Compiling src/devices/bus/rs232/ie15.cpp...
Compiling src/devices/bus/rs232/keyboard.cpp...
Compiling src/devices/bus/rs232/loopback.cpp...
Compiling src/devices/bus/rs232/null_modem.cpp...
Compiling src/devices/bus/rs232/printer.cpp...
Compiling src/devices/bus/rs232/pty.cpp...
Compiling src/devices/bus/rs232/rs232.cpp...
Compiling src/devices/bus/rs232/sun_kbd.cpp...
Compiling src/devices/bus/rs232/swtpc8212.cpp...
Compiling src/devices/bus/rs232/terminal.cpp...
Compiling src/devices/bus/rs232/xvd701.cpp...
Compiling src/devices/bus/s100/am310.cpp...
Compiling src/devices/bus/s100/ascsasi.cpp...
Compiling src/devices/bus/s100/dg640.cpp...
Compiling src/devices/bus/s100/dj2db.cpp...
Compiling src/devices/bus/s100/djdma.cpp...
Compiling src/devices/bus/s100/mm65k16s.cpp...
Compiling src/devices/bus/s100/nsmdsa.cpp...
Compiling src/devices/bus/s100/nsmdsad.cpp...
Compiling src/devices/bus/s100/poly16k.cpp...
Compiling src/devices/bus/s100/polyfdc.cpp...
Compiling src/devices/bus/s100/polyvti.cpp...
Compiling src/devices/bus/s100/s100.cpp...
Compiling src/devices/bus/s100/seals8k.cpp...
Compiling src/devices/bus/s100/wunderbus.cpp...
Compiling src/devices/bus/samcoupe/drive/atom.cpp...
Compiling src/devices/bus/samcoupe/drive/drive.cpp...
Compiling src/devices/bus/samcoupe/drive/floppy.cpp...
Compiling src/devices/bus/samcoupe/drive/modules.cpp...
Compiling src/devices/bus/samcoupe/expansion/blue_sampler.cpp...
Compiling src/devices/bus/samcoupe/expansion/dallas.cpp...
Compiling src/devices/bus/samcoupe/expansion/expansion.cpp...
Compiling src/devices/bus/samcoupe/expansion/modules.cpp...
Compiling src/devices/bus/samcoupe/expansion/onemeg.cpp...
Compiling src/devices/bus/samcoupe/expansion/sambus.cpp...
Compiling src/devices/bus/samcoupe/expansion/sdide.cpp...
Compiling src/devices/bus/samcoupe/expansion/sid.cpp...
Compiling src/devices/bus/samcoupe/expansion/spi.cpp...
Compiling src/devices/bus/samcoupe/expansion/voicebox.cpp...
Compiling src/devices/bus/samcoupe/mouse/modules.cpp...
Compiling src/devices/bus/samcoupe/mouse/mouse.cpp...
Compiling src/devices/bus/samcoupe/mouse/mouseport.cpp...
Compiling src/devices/bus/sat_ctrl/analog.cpp...
Compiling src/devices/bus/sat_ctrl/ctrl.cpp...
Compiling src/devices/bus/sat_ctrl/joy.cpp...
Compiling src/devices/bus/sat_ctrl/joy_md.cpp...
Compiling src/devices/bus/sat_ctrl/keybd.cpp...
Compiling src/devices/bus/sat_ctrl/mouse.cpp...
Compiling src/devices/bus/sat_ctrl/multitap.cpp...
Compiling src/devices/bus/sat_ctrl/pointer.cpp...
Compiling src/devices/bus/sat_ctrl/racing.cpp...
Compiling src/devices/bus/sat_ctrl/segatap.cpp...

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Compiling src/devices/bus/saturn/bram.cpp...
Compiling src/devices/bus/saturn/dram.cpp...
Compiling src/devices/bus/saturn/rom.cpp...
Compiling src/devices/bus/saturn/sat_slot.cpp...
Compiling src/devices/bus/sbus/artecon.cpp...
Compiling src/devices/bus/sbus/btwo.cpp...
Compiling src/devices/bus/sbus/cgsix.cpp...
Compiling src/devices/bus/sbus/cgthree.cpp...
Compiling src/devices/bus/sbus/hme.cpp...
Compiling src/devices/bus/sbus/sbus.cpp...
Compiling src/devices/bus/sbus/sunpc.cpp...
Compiling src/devices/bus/scsi/acb4070.cpp...
Compiling src/devices/bus/scsi/cdu76s.cpp...
Compiling src/devices/bus/scsi/d9060hd.cpp...
Compiling src/devices/bus/scsi/omti5100.cpp...
Compiling src/devices/bus/scsi/pc9801_sasi.cpp...
Compiling src/devices/bus/scsi/sl410.cpp...
Compiling src/devices/bus/scsi/sal403d.cpp...
Compiling src/devices/bus/scsi/scsi.cpp...
Compiling src/devices/bus/scsi/scsid.cpp...
Compiling src/devices/bus/scsi/scsid512.cpp...
Compiling src/devices/bus/scsi/scsihd.cpp...
Compiling src/devices/bus/scsi/scsihle.cpp...
Compiling src/devices/bus/scv/rom.cpp...
Compiling src/devices/bus/scv/slot.cpp...
Compiling src/devices/bus/sdk85/i8755.cpp...
Compiling src/devices/bus/sdk85/memexp.cpp...
Compiling src/devices/bus/sega8/ccatch.cpp...
Compiling src/devices/bus/sega8/mgear.cpp...
Compiling src/devices/bus/sega8/rom.cpp...
Compiling src/devices/bus/sega8/sega8_slot.cpp...
Compiling src/devices/bus/sg1000_exp/fm_unit.cpp...
Compiling src/devices/bus/sg1000_exp/kblink.cpp...
Compiling src/devices/bus/sg1000_exp/sg1000exp.cpp...
Compiling src/devices/bus/sg1000_exp/sk1100.cpp...
Compiling src/devices/bus/sg1000_exp/sk1100prn.cpp...
Compiling src/devices/bus/sgikbd/hlekbd.cpp...
Compiling src/devices/bus/sgikbd/sgikbd.cpp...
Compiling src/devices/bus/sms_ctrl/graphic.cpp...
Compiling src/devices/bus/sms_ctrl/joypad.cpp...
Compiling src/devices/bus/sms_ctrl/lphaser.cpp...
Compiling src/devices/bus/sms_ctrl/multitap.cpp...
Compiling src/devices/bus/sms_ctrl/paddle.cpp...
Compiling src/devices/bus/sms_ctrl/rfu.cpp...
Compiling src/devices/bus/sms_ctrl/smsctrl.cpp...
Compiling src/devices/bus/sms_ctrl/sports.cpp...
Compiling src/devices/bus/sms_ctrl/sportsjp.cpp...
Compiling src/devices/bus/sms_exp/gender.cpp...
Compiling src/devices/bus/sms_exp/smsexp.cpp...
Compiling src/devices/bus/snes/bsx.cpp...
Compiling src/devices/bus/snes/event.cpp...
Compiling src/devices/bus/snes/rom.cpp...
Compiling src/devices/bus/snes/rom21.cpp...
Compiling src/devices/bus/snes/sal.cpp...
Compiling src/devices/bus/snes/sddl.cpp...
Compiling src/devices/bus/snes/sfx.cpp...
Compiling src/devices/bus/snes/sgb.cpp...
Compiling src/devices/bus/snes/snes_carts.cpp...
Compiling src/devices/bus/snes/snes_slot.cpp...
Compiling src/devices/bus/snes/spc7110.cpp...
Compiling src/devices/bus/snes/sufami.cpp...
Compiling src/devices/bus/snes/upd.cpp...
Compiling src/devices/bus/snes_ctrl/bcbattle.cpp...
../../../../../../../../src/devices/bus/snes_ctrl/bcbattle.cpp: In member function 'virtual void
snes_bcbattle_device::device_start()':
../../../../../../../../src/devices/bus/snes_ctrl/bcbattle.cpp:102:81: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  102 |   battler_timer->adjust(attotime::zero, 0, machine().device<cpu_device>("maincpu")-
>cycles_to_attotime(1000));
      |
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }

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^~~~~~
../../../../../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]':
../../../../../../../../src/devices/bus/snes_ctrl/bcbattle.cpp:102:81:   required from here
../../../../../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]
  214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:213:90: note: declared here
  213 | [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
|
^~~~~~
Compiling src/devices/bus/snes_ctrl/ctrl.cpp...
Compiling src/devices/bus/snes_ctrl/joyypad.cpp...
Compiling src/devices/bus/snes_ctrl/miracle.cpp...
../../../../../../../../src/devices/bus/snes_ctrl/miracle.cpp: In member function 'virtual void
snes_miracle_device::write_strobe(uint8_t)':
../../../../../../../../src/devices/bus/snes_ctrl/miracle.cpp:156:81: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  156 |   strobe_timer->adjust(attotime::zero, 0, machine().device<cpu_device>("maincpu")-
>cycles_to_attotime(1));
|
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~
../../../../../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]':
../../../../../../../../src/devices/bus/snes_ctrl/miracle.cpp:156:81:   required from here
../../../../../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]
  214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
|
^~~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:213:90: note: declared here
  213 | [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
|
^~~~~~
Compiling src/devices/bus/snes_ctrl/mouse.cpp...
Compiling src/devices/bus/snes_ctrl/multitap.cpp...
Compiling src/devices/bus/snes_ctrl/pachinko.cpp...
Compiling src/devices/bus/snes_ctrl/sscope.cpp...
Compiling src/devices/bus/snes_ctrl/twintap.cpp...
Compiling src/devices/bus/spc1000/exp.cpp...
Compiling src/devices/bus/spc1000/fdd.cpp...
Compiling src/devices/bus/spc1000/vdp.cpp...
Compiling src/devices/bus/spectrum/beta.cpp...
Compiling src/devices/bus/spectrum/beta128.cpp...
Compiling src/devices/bus/spectrum/d40.cpp...
Compiling src/devices/bus/spectrum/exp.cpp...
Compiling src/devices/bus/spectrum/floppyone.cpp...
Compiling src/devices/bus/spectrum/fuller.cpp...
Compiling src/devices/bus/spectrum/intf1.cpp...
Compiling src/devices/bus/spectrum/intf2.cpp...
Compiling src/devices/bus/spectrum/kempdisc.cpp...
Compiling src/devices/bus/spectrum/kempjoy.cpp...
Compiling src/devices/bus/spectrum/logitek.cpp...
Compiling src/devices/bus/spectrum/lprint.cpp...
Compiling src/devices/bus/spectrum/melodik.cpp...
Compiling src/devices/bus/spectrum/mface.cpp...
Compiling src/devices/bus/spectrum/mgt.cpp...

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Compiling src/devices/bus/spectrum/mikroplus.cpp...
Compiling src/devices/bus/spectrum/opus.cpp...
Compiling src/devices/bus/spectrum/plus2test.cpp...
Compiling src/devices/bus/spectrum/protek.cpp...
Compiling src/devices/bus/spectrum/sdi.cpp...
Compiling src/devices/bus/spectrum/sixword.cpp...
Compiling src/devices/bus/spectrum/speccydos.cpp...
Compiling src/devices/bus/spectrum/specdram.cpp...
Compiling src/devices/bus/spectrum/uslot.cpp...
Compiling src/devices/bus/spectrum/usource.cpp...
Compiling src/devices/bus/spectrum/uspeech.cpp...
Compiling src/devices/bus/spectrum/wafa.cpp...
Compiling src/devices/bus/ss50/dc5.cpp...
Compiling src/devices/bus/ss50/interface.cpp...
Compiling src/devices/bus/ss50/mpc.cpp...
Compiling src/devices/bus/ss50/mps.cpp...
Compiling src/devices/bus/ss50/mps2.cpp...
Compiling src/devices/bus/ss50/mpt.cpp...
Compiling src/devices/bus/ss50/piaide.cpp...
Compiling src/devices/bus/sunkbd/hlekbd.cpp...
Compiling src/devices/bus/sunkbd/sunkbd.cpp...
Compiling src/devices/bus/sunmouse/hlemouse.cpp...
Compiling src/devices/bus/sunmouse/sunmouse.cpp...
Compiling src/devices/bus/svi3x8/expander/expander.cpp...
Compiling src/devices/bus/svi3x8/expander/modules.cpp...
Compiling src/devices/bus/svi3x8/expander/sv601.cpp...
Compiling src/devices/bus/svi3x8/expander/sv602.cpp...
Compiling src/devices/bus/svi3x8/expander/sv603.cpp...
Compiling src/devices/bus/svi3x8/slot/cards.cpp...
Compiling src/devices/bus/svi3x8/slot/slot.cpp...
Compiling src/devices/bus/svi3x8/slot/sv801.cpp...
Compiling src/devices/bus/svi3x8/slot/sv802.cpp...
Compiling src/devices/bus/svi3x8/slot/sv803.cpp...
Compiling src/devices/bus/svi3x8/slot/sv805.cpp...
Compiling src/devices/bus/svi3x8/slot/sv806.cpp...
Compiling src/devices/bus/svi3x8/slot/sv807.cpp...
Compiling src/devices/bus/tanbus/bullsnd.cpp...
Compiling src/devices/bus/tanbus/mpvdu.cpp...
Compiling src/devices/bus/tanbus/ra32k.cpp...
Compiling src/devices/bus/tanbus/radisc.cpp...
Compiling src/devices/bus/tanbus/ravdu.cpp...
Compiling src/devices/bus/tanbus/tanbus.cpp...
Compiling src/devices/bus/tanbus/tandos.cpp...
Compiling src/devices/bus/tanbus/tanex.cpp...
Compiling src/devices/bus/tanbus/tanhrq.cpp...
Compiling src/devices/bus/tanbus/tanram.cpp...
Compiling src/devices/bus/tanbus/tug64k.cpp...
Compiling src/devices/bus/tanbus/tug8082.cpp...
Compiling src/devices/bus/tanbus/tugpgm.cpp...
Compiling src/devices/bus/ti8x/bitsocket.cpp...
Compiling src/devices/bus/ti8x/graphlinkhle.cpp...
Compiling src/devices/bus/ti8x/teeconn.cpp...
Compiling src/devices/bus/ti8x/ti8x.cpp...
Compiling src/devices/bus/ti8x/tispeaker.cpp...
Compiling src/devices/bus/ti99/colorbus/busmouse.cpp...
Compiling src/devices/bus/ti99/colorbus/colorbus.cpp...
Compiling src/devices/bus/ti99/gromport/cartridges.cpp...
Compiling src/devices/bus/ti99/gromport/gkracker.cpp...
Compiling src/devices/bus/ti99/gromport/gromport.cpp...
Compiling src/devices/bus/ti99/gromport/multiconn.cpp...
Compiling src/devices/bus/ti99/gromport/singleconn.cpp...
Compiling src/devices/bus/ti99/internal/992board.cpp...
Compiling src/devices/bus/ti99/internal/998board.cpp...
Compiling src/devices/bus/ti99/internal/buffram.cpp...
Compiling src/devices/bus/ti99/internal/datamux.cpp...
Compiling src/devices/bus/ti99/internal/evpconn.cpp...
Compiling src/devices/bus/ti99/internal/genboard.cpp...
Compiling src/devices/bus/ti99/internal/genkbd.cpp...
Compiling src/devices/bus/ti99/internal/ioport.cpp...
Compiling src/devices/bus/ti99/joyport/handset.cpp...
Compiling src/devices/bus/ti99/joyport/joyport.cpp...
Compiling src/devices/bus/ti99/joyport/mecmouse.cpp...
Compiling src/devices/bus/ti99/peb/bwg.cpp...
Compiling src/devices/bus/ti99/peb/cc_fdc.cpp...
Compiling src/devices/bus/ti99/peb/evpc.cpp...
Compiling src/devices/bus/ti99/peb/forti.cpp...
Compiling src/devices/bus/ti99/peb/hfdc.cpp...

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Compiling src/devices/bus/ti99/peb/horizon.cpp...
Compiling src/devices/bus/ti99/peb/hsgpl.cpp...
Compiling src/devices/bus/ti99/peb/memex.cpp...
Compiling src/devices/bus/ti99/peb/myarcfdc.cpp...
Compiling src/devices/bus/ti99/peb/myarcmem.cpp...
Compiling src/devices/bus/ti99/peb/pcode.cpp...
Compiling src/devices/bus/ti99/peb/peribox.cpp...
Compiling src/devices/bus/ti99/peb/pgram.cpp...
Compiling src/devices/bus/ti99/peb/samsmem.cpp...
Compiling src/devices/bus/ti99/peb/sidmaster.cpp...
Compiling src/devices/bus/ti99/peb/spchsyn.cpp...
Compiling src/devices/bus/ti99/peb/ti_32kmem.cpp...
Compiling src/devices/bus/ti99/peb/ti_fdc.cpp...
Compiling src/devices/bus/ti99/peb/ti_rs232.cpp...
Compiling src/devices/bus/ti99/peb/tn_ide.cpp...
Compiling src/devices/bus/ti99/peb/tn_usbsm.cpp...
Compiling src/devices/bus/ti99x/990_dk.cpp...
Compiling src/devices/bus/ti99x/990_hd.cpp...
Compiling src/devices/bus/ti99x/990_tap.cpp...
Compiling src/devices/bus/tiki100/8088.cpp...
Compiling src/devices/bus/tiki100/exp.cpp...
Compiling src/devices/bus/tiki100/hdc.cpp...
Compiling src/devices/bus/tmc600/euro.cpp...
Compiling src/devices/bus/tvc/hbf.cpp...
Compiling src/devices/bus/tvc/tvc.cpp...
Compiling src/devices/bus/uts_kbd/400kbd.cpp...
Compiling src/devices/bus/uts_kbd/extw.cpp...
Compiling src/devices/bus/uts_kbd/uts_kbd.cpp...
Compiling src/devices/bus/vboy/rom.cpp...
Compiling src/devices/bus/vboy/slot.cpp...
Compiling src/devices/bus/vc4000/rom.cpp...
Compiling src/devices/bus/vc4000/slot.cpp...
Compiling src/devices/bus/vcs/compumat.cpp...
Compiling src/devices/bus/vcs/dpc.cpp...
Compiling src/devices/bus/vcs/harmony_melody.cpp...
Compiling src/devices/bus/vcs/rom.cpp...
../../../../../../../../src/devices/bus/vcs/rom.cpp: In member function 'virtual uint8_t
a26_rom_fv_device::read_rom(off_t)':
../../../../../../../../src/devices/bus/vcs/rom.cpp:937:60: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  937 |     if (!m_locked && (machine().device<cpu_device>("maincpu")->pc() & 0x1f00) ==
0x1f00)
      |
      |
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
      |
~~~~~
../../../../../../../../src/devices/bus/vcs/rom.cpp: In member function 'virtual void
a26_rom_fv_device::write_bank(address_space&, off_t, uint8_t)':
../../../../../../../../src/devices/bus/vcs/rom.cpp:952:59: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  952 |     if (!m_locked && (machine().device<cpu_device>("maincpu")->pc() & 0x1f00) == 0x1f00)
      |
      |
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
      |
~~~~~
../../../../../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]':
../../../../../../../../src/devices/bus/vcs/rom.cpp:937:60:   required from here
../../../../../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]
  214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
      |
~~~~~^~~~~
In file included from ../../../../../../src/emu/emu.h:87:

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../../../../../../../../src/emu/machine.h:213:90: note: declared here
 213 | [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
    |
    ^~~~~~
Compiling src/devices/bus/vcs/scharger.cpp...
../../../../../../../../src/devices/bus/vcs/scharger.cpp: In member function 'virtual void
a26_rom_ss_device::device_start()':
../../../../../../../../src/devices/bus/vcs/scharger.cpp:63:52: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
   63 | m_maincpu = machine().device<cpu_device>("maincpu");
      |
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
 214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
    |
    ^~~~~~
../../../../../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = cpu_device]':
../../../../../../../../src/devices/bus/vcs/scharger.cpp:63:52: required from here
../../../../../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]
 214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
    |
    ^~~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:213:90: note: declared here
 213 | [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
    |
    ^~~~~~
Compiling src/devices/bus/vcs/vcs_slot.cpp...
Compiling src/devices/bus/vcs_ctrl/ctrl.cpp...
Compiling src/devices/bus/vcs_ctrl/joybooster.cpp...
Compiling src/devices/bus/vcs_ctrl/joystick.cpp...
Compiling src/devices/bus/vcs_ctrl/keypad.cpp...
Compiling src/devices/bus/vcs_ctrl/lightpen.cpp...
Compiling src/devices/bus/vcs_ctrl/mouse.cpp...
Compiling src/devices/bus/vcs_ctrl/paddles.cpp...
Compiling src/devices/bus/vcs_ctrl/wheel.cpp...
Compiling src/devices/bus/vectrex/rom.cpp...
Compiling src/devices/bus/vectrex/slot.cpp...
Compiling src/devices/bus/vic10/exp.cpp...
../../../../../../../../src/devices/bus/vic10/exp.cpp: In member function 'virtual void
vic10_expansion_slot_device::device_start()':
../../../../../../../../src/devices/bus/vic10/exp.cpp:90:109: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = vic10_expansion_slot_device]' is
deprecated: absolute tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
   90 | vic10_expansion_slot_device *root =
machine().device<vic10_expansion_slot_device>(VIC10_EXPANSION_SLOT_TAG);
      |
      ^
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
 214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
    |
    ^~~~~~
../../../../../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = vic10_expansion_slot_device]':
../../../../../../../../src/devices/bus/vic10/exp.cpp:90:109: required from here
../../../../../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]
 214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
    |
    ^~~~~~
In file included from ../../../../../../src/emu/emu.h:87:

```

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../../../../../src/emu/machine.h:213:90: note: declared here
 213 | [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
     | device_t *device(const char *tag) const { return root_device().subdevice(tag); }
     | ^
^~~~~~
Compiling src/devices/bus/vic10/multimax.cpp...
Compiling src/devices/bus/vic10/std.cpp...
Compiling src/devices/bus/vic20/4cga.cpp...
Compiling src/devices/bus/vic20/exp.cpp...
Compiling src/devices/bus/vic20/fe3.cpp...
Compiling src/devices/bus/vic20/megacart.cpp...
Compiling src/devices/bus/vic20/speakeasy.cpp...
Compiling src/devices/bus/vic20/std.cpp...
Compiling src/devices/bus/vic20/user.cpp...
Compiling src/devices/bus/vic20/vic1010.cpp...
Compiling src/devices/bus/vic20/vic1011.cpp...
Compiling src/devices/bus/vic20/vic1110.cpp...
Compiling src/devices/bus/vic20/vic1111.cpp...
Compiling src/devices/bus/vic20/vic1112.cpp...
Compiling src/devices/bus/vic20/vic1210.cpp...
Compiling src/devices/bus/vic20/videopak.cpp...
Compiling src/devices/bus/vidbrain/exp.cpp...
Compiling src/devices/bus/vidbrain/money_minder.cpp...
Compiling src/devices/bus/vidbrain/std.cpp...
Compiling src/devices/bus/vidbrain/timeshare.cpp...
Compiling src/devices/bus/vip/byteio.cpp...
Compiling src/devices/bus/vip/exp.cpp...
Compiling src/devices/bus/vip/vp550.cpp...
Compiling src/devices/bus/vip/vp570.cpp...
Compiling src/devices/bus/vip/vp575.cpp...
Compiling src/devices/bus/vip/vp585.cpp...
Compiling src/devices/bus/vip/vp590.cpp...
Compiling src/devices/bus/vip/vp595.cpp...
Compiling src/devices/bus/vip/vp620.cpp...
Compiling src/devices/bus/vip/vp700.cpp...
Compiling src/devices/bus/vme/vme.cpp...
../../../../../src/devices/bus/vme/vme.cpp: In member function 'void
device_vme_card_interface::set_vme_device()':
../../../../../src/devices/bus/vme/vme.cpp:484:72: warning: 'device_t*
running_machine::device(const char*) const' is deprecated: absolute tag lookup; use subdevice
or finder instead [-Wdeprecated-declarations]
 484 | m_vme = dynamic_cast<vme_device *>(device().machine().device(m_vme_tag));
     | ^
In file included from ../../../../../src/emu/emu.h:87:
../../../../../src/emu/machine.h:213:90: note: declared here
 213 | [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
     | device_t *device(const char *tag) const { return root_device().subdevice(tag); }
     | ^
^~~~~~
Compiling src/devices/bus/vme/vme_fccpu20.cpp...
Compiling src/devices/bus/vme/vme_fcisio.cpp...
Compiling src/devices/bus/vme/vme_fcscsi.cpp...
Compiling src/devices/bus/vme/vme_hcpu30.cpp...
Compiling src/devices/bus/vme/vme_mvme350.cpp...
Compiling src/devices/bus/vme/vme_mzr8300.cpp...
Compiling src/devices/bus/vsmile/mat.cpp...
Compiling src/devices/bus/vsmile/pad.cpp...
Compiling src/devices/bus/vsmile/rom.cpp...
Compiling src/devices/bus/vsmile/vsmile_ctrl.cpp...
Compiling src/devices/bus/vsmile/vsmile_slot.cpp...
Compiling src/devices/bus/vtech/ioexp/carts.cpp...
Compiling src/devices/bus/vtech/ioexp/ioexp.cpp...
Compiling src/devices/bus/vtech/ioexp/joystick.cpp...
Compiling src/devices/bus/vtech/ioexp/printer.cpp...
Compiling src/devices/bus/vtech/memexp/carts.cpp...
Compiling src/devices/bus/vtech/memexp/floppy.cpp...
Compiling src/devices/bus/vtech/memexp/memexp.cpp...
Compiling src/devices/bus/vtech/memexp/memory.cpp...
Compiling src/devices/bus/vtech/memexp/rs232.cpp...
Compiling src/devices/bus/vtech/memexp/rtty.cpp...
Compiling src/devices/bus/vtech/memexp/wordpro.cpp...
Compiling src/devices/bus/wangppc/emb.cpp...
Compiling src/devices/bus/wangppc/lic.cpp...
Compiling src/devices/bus/wangppc/lvc.cpp...
Compiling src/devices/bus/wangppc/mcc.cpp...
Compiling src/devices/bus/wangppc/mvc.cpp...
Compiling src/devices/bus/wangppc/rtc.cpp...

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Compiling src/devices/bus/wangpc/tig.cpp...
Compiling src/devices/bus/wangpc/wangpc.cpp...
Compiling src/devices/bus/wangpc/wdc.cpp...
Compiling src/devices/bus/wswan/rom.cpp...
Compiling src/devices/bus/wswan/slot.cpp...
Compiling src/devices/bus/x68k/x68k_midi.cpp...
Compiling src/devices/bus/x68k/x68k_neptunex.cpp...
Compiling src/devices/bus/x68k/x68k_scsiext.cpp...
Compiling src/devices/bus/x68k/x68kexp.cpp...
Compiling src/devices/bus/z29_kbd/he191_3425.cpp...
Compiling src/devices/bus/z29_kbd/keyboard.cpp...
Compiling src/devices/bus/z29_kbd/md_kbd.cpp...
Compiling src/devices/bus/z88/flash.cpp...
Compiling src/devices/bus/z88/ram.cpp...
Compiling src/devices/bus/z88/rom.cpp...
Compiling src/devices/bus/z88/z88.cpp...
Compiling src/devices/cpu/8x300/8x300.cpp...
Compiling src/devices/cpu/adsp2100/adsp2100.cpp...
Compiling src/devices/cpu/alpha/alpha.cpp...
Compiling src/devices/cpu/alto2/a2curt.cpp...
Compiling src/devices/cpu/alto2/a2dht.cpp...
Compiling src/devices/cpu/alto2/a2disk.cpp...
Compiling src/devices/cpu/alto2/a2disp.cpp...
Compiling src/devices/cpu/alto2/a2dvt.cpp...
Compiling src/devices/cpu/alto2/a2dwt.cpp...
Compiling src/devices/cpu/alto2/a2emu.cpp...
Compiling src/devices/cpu/alto2/a2ether.cpp...
Compiling src/devices/cpu/alto2/a2hw.cpp...
Compiling src/devices/cpu/alto2/a2kbd.cpp...
Compiling src/devices/cpu/alto2/a2ksec.cpp...
Compiling src/devices/cpu/alto2/a2kwd.cpp...
Compiling src/devices/cpu/alto2/a2mem.cpp...
Compiling src/devices/cpu/alto2/a2mouse.cpp...
Compiling src/devices/cpu/alto2/a2mrt.cpp...
Compiling src/devices/cpu/alto2/a2part.cpp...
Compiling src/devices/cpu/alto2/a2ram.cpp...
Compiling src/devices/cpu/alto2/a2roms.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../src/devices/cpu/alto2/a2roms.cpp: In function 'uint8_t*
prom_load(running_machine&, const prom_load_t*, const uint8_t*, int, int)':
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)          pool_alloc_array(static_cast<running_machine
      | &>(m).respool(), t, c)
      | ^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      | [_num], (_num))
      | ^~~~~
../../../../src/devices/cpu/alto2/a2roms.cpp:118:11: note: in expansion of macro
'auto_alloc_array'
   118 |     array = auto_alloc_array(machine, uint8_t, pages * size);
      |           ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      | ^~~~~
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)          pool_alloc_array(static_cast<running_machine
      | &>(m).respool(), t, c)
      | ^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      | [_num], (_num))
      | ^~~~~
../../../../src/devices/cpu/alto2/a2roms.cpp:121:11: note: in expansion of macro
'auto_alloc_array'
   121 |     array = auto_alloc_array(machine, uint16_t, pages * size);
      |           ^~~~~~

```

```

In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
  169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
|
^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
from ../../../../src/emu/emu.h:30:
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c) pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
|
^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num) (_pool).add_array(new _type
[_num], (_num))
|
^~~~~~
../../../../src/devices/cpu/alto2/a2roms.cpp:124:11: note: in expansion of macro
'auto_alloc_array'
  124 | array = auto_alloc_array(machine, uint32_t, pages * size);
|
^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
  169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
|
^~~~~~
Compiling src/devices/cpu/alto2/alto2cpu.cpp...
Compiling src/devices/cpu/am29000/am29000.cpp...
Compiling src/devices/cpu/amis2000/amis2000.cpp...
Compiling src/devices/cpu/amis2000/amis2000op.cpp...
Compiling src/devices/cpu/apexc/apexc.cpp...
Compiling src/devices/cpu/arc/arc.cpp...
Compiling src/devices/cpu/arcompact/arcompact.cpp...
Compiling src/devices/cpu/arcompact/arcompact_execute.cpp...
Compiling src/devices/cpu/arm/arm.cpp...
Compiling src/devices/cpu/arm7/arm7.cpp...
In file included from ../../../../src/emu/emucore.h:39,
from ../../../../src/emu/emu.h:30:
../../../../src/devices/cpu/arm7/arm7drc.hxx: In member function 'void
arm7_cpu_device::arm7_drc_init()':
../../../../src/emu/machine.h:69:94: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   69 | #define auto_alloc(m, t) pool_alloc(static_cast<running_machine
&>(m).respool(), t)
|
^
../../../../src/emu/emualloc.h:29:54: note: in definition of macro 'pool_alloc'
   29 | #define pool_alloc(_pool, _type) (_pool).add_object(new _type)
|
^~~~~~
../../../../src/devices/cpu/arm7/arm7drc.hxx:135:10: note: in expansion of macro
'auto_alloc'
  135 | cache = auto_alloc(machine(), drc_cache(CACHE_SIZE));
|
^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
  169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
|
^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
from ../../../../src/emu/emu.h:30:
../../../../src/devices/cpu/arm7/arm7drc.hxx: In member function 'void
arm7_cpu_device::arm7_drc_exit()':
../../../../src/emu/machine.h:73:93: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   73 | #define auto_free(m, v) pool_free(static_cast<running_machine
&>(m).respool(), v)
|
^
../../../../src/emu/emualloc.h:33:54: note: in definition of macro 'pool_free'
   33 | #define pool_free(_pool, v) (_pool).remove(v)
|
^~~~~~
../../../../src/devices/cpu/arm7/arm7drc.hxx:236:2: note: in expansion of macro 'auto_free'
  236 | auto_free(machine(), m_impstate.cache);
|
^~~~~~

```

```

In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
  169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
    |
    ^~~~~~
Compiling src/devices/cpu/arm7/arm7ops.cpp...
Compiling src/devices/cpu/arm7/arm7thmb.cpp...
Compiling src/devices/cpu/arm7/lpc210x.cpp...
Compiling src/devices/cpu/asap/asap.cpp...
Compiling src/devices/cpu/avr8/avr8.cpp...
Compiling src/devices/cpu/bcp/dp8344.cpp...
Compiling src/devices/cpu/capricorn/capricorn.cpp...
Compiling src/devices/cpu/ccpu/ccpu.cpp...
Compiling src/devices/cpu/clipper/clipper.cpp...
Compiling src/devices/cpu/cop400/cop400.cpp...
Compiling src/devices/cpu/cosmac/cosmac.cpp...
Compiling src/devices/cpu/cpl610/cpl610.cpp...
Compiling src/devices/cpu/crl6b/crl6b.cpp...
Compiling src/devices/cpu/cubeqcpu/cubeqcpu.cpp...
Compiling src/devices/cpu/diablo/diablo1300.cpp...
Compiling src/devices/cpu/drcbec.cpp...
Compiling src/devices/cpu/drcbeut.cpp...
Compiling src/devices/cpu/drcbex64.cpp...
Compiling src/devices/cpu/drcbex86.cpp...
Compiling src/devices/cpu/drccache.cpp...
Compiling src/devices/cpu/drcfe.cpp...
Compiling src/devices/cpu/drcuml.cpp...
Compiling src/devices/cpu/dsp16/dsp16.cpp...
Compiling src/devices/cpu/dsp16/dsp16core.cpp...
Compiling src/devices/cpu/dsp16/dsp16fe.cpp...
Compiling src/devices/cpu/dsp16/dsp16rc.cpp...
Compiling src/devices/cpu/dsp32/dsp32.cpp...
Compiling src/devices/cpu/dsp56000/dsp56000.cpp...
Compiling src/devices/cpu/dsp56156/dsp56156.cpp...
Compiling src/devices/cpu/dsp56156/dsp56mem.cpp...
Compiling src/devices/cpu/dsp56156/dsp56pcu.cpp...
Compiling src/devices/cpu/dspp/dspp.cpp...
Compiling src/devices/cpu/dspp/dsppdrc.cpp...
Compiling src/devices/cpu/dspp/dsppfe.cpp...
Compiling src/devices/cpu/e0c6200/e0c6200.cpp...
Compiling src/devices/cpu/e0c6200/e0c6200op.cpp...
Compiling src/devices/cpu/e0c6200/e0c6s46.cpp...
Compiling src/devices/cpu/e132xs/e132xs.cpp...
Compiling src/devices/cpu/e132xs/e132xsdr.cpp...
Compiling src/devices/cpu/e132xs/e132xsfe.cpp...
Compiling src/devices/cpu/es5510/es5510.cpp...
Compiling src/devices/cpu/esrip/esrip.cpp...
Compiling src/devices/cpu/f2mc16/f2mc16.cpp...
Compiling src/devices/cpu/f2mc16/mb9061x.cpp...
Compiling src/devices/cpu/f8/f8.cpp...
Compiling src/devices/cpu/fr/fr.cpp...
Compiling src/devices/cpu/g65816/g65816.cpp...
Compiling src/devices/cpu/g65816/g65816o0.cpp...
Compiling src/devices/cpu/g65816/g65816o1.cpp...
Compiling src/devices/cpu/g65816/g65816o2.cpp...
Compiling src/devices/cpu/g65816/g65816o3.cpp...
Compiling src/devices/cpu/g65816/g65816o4.cpp...
Compiling src/devices/cpu/gigatron/gigatron.cpp...
Compiling src/devices/cpu/h16/hd641016.cpp...
Compiling src/devices/cpu/h6280/h6280.cpp...
Generating H8-300 source file...
Compiling src/devices/cpu/h8/h8.cpp...
Compiling src/devices/cpu/h8/h83002.cpp...
Compiling src/devices/cpu/h8/h83003.cpp...
Compiling src/devices/cpu/h8/h83006.cpp...
Compiling src/devices/cpu/h8/h83008.cpp...
Compiling src/devices/cpu/h8/h83048.cpp...
Compiling src/devices/cpu/h8/h83337.cpp...
Compiling src/devices/cpu/h8/h8_adc.cpp...
Compiling src/devices/cpu/h8/h8_dma.cpp...
Compiling src/devices/cpu/h8/h8_dtc.cpp...
Compiling src/devices/cpu/h8/h8_intc.cpp...
Compiling src/devices/cpu/h8/h8_port.cpp...
Compiling src/devices/cpu/h8/h8_sci.cpp...
Compiling src/devices/cpu/h8/h8_timer16.cpp...
Compiling src/devices/cpu/h8/h8_timer8.cpp...

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Compiling src/devices/cpu/h8/h8_watchdog.cpp...
Generating H8-300H source file...
Compiling src/devices/cpu/h8/h8h.cpp...
Generating H8S/2000 source file...
Compiling src/devices/cpu/h8/h8s2000.cpp...
Compiling src/devices/cpu/h8/h8s2245.cpp...
Compiling src/devices/cpu/h8/h8s2320.cpp...
Compiling src/devices/cpu/h8/h8s2357.cpp...
Generating H8S/2600 source file...
Compiling src/devices/cpu/h8/h8s2600.cpp...
Compiling src/devices/cpu/h8/h8s2655.cpp...
Compiling src/devices/cpu/h8500/h8500.cpp...
Compiling src/devices/cpu/h8500/h8510.cpp...
Compiling src/devices/cpu/h8500/h8520.cpp...
Compiling src/devices/cpu/h8500/h8532.cpp...
Compiling src/devices/cpu/h8500/h8534.cpp...
Compiling src/devices/cpu/hcd62121/hcd62121.cpp...
Compiling src/devices/cpu/hd61700/hd61700.cpp...
Compiling src/devices/cpu/hmcs40/hmcs40.cpp...
Compiling src/devices/cpu/hmcs40/hmcs40op.cpp...
Compiling src/devices/cpu/hpc/hpc.cpp...
Compiling src/devices/cpu/hphybrid/hphybrid.cpp...
Compiling src/devices/cpu/i386/athlon.cpp...
Compiling src/devices/cpu/i386/i386.cpp...
Compiling src/devices/cpu/i8008/i8008.cpp...
Compiling src/devices/cpu/i8085/i8085.cpp...
Compiling src/devices/cpu/i8089/i8089.cpp...
Compiling src/devices/cpu/i8089/i8089_channel.cpp...
Compiling src/devices/cpu/i8089/i8089_ops.cpp...
Compiling src/devices/cpu/i86/i86.cpp...
Compiling src/devices/cpu/i86/i286.cpp...
Compiling src/devices/cpu/i86/i86.cpp...
Compiling src/devices/cpu/i860/i860.cpp...
Compiling src/devices/cpu/i960/i960.cpp...
Compiling src/devices/cpu/iel5/iel5.cpp...
Compiling src/devices/cpu/jaguar/jaguar.cpp...
Compiling src/devices/cpu/ks0164/ks0164.cpp...
Compiling src/devices/cpu/lc8670/lc8670.cpp...
Compiling src/devices/cpu/lh5801/lh5801.cpp...
Compiling src/devices/cpu/lr35902/lr35902.cpp...
Compiling src/devices/cpu/m37710/m37710.cpp...
Compiling src/devices/cpu/m37710/m37710o0.cpp...
Compiling src/devices/cpu/m37710/m37710o1.cpp...
Compiling src/devices/cpu/m37710/m37710o2.cpp...
Compiling src/devices/cpu/m37710/m37710o3.cpp...
Generating deco16 disassembler source file...
Compiling src/devices/cpu/m6502/deco16.cpp...
Compiling src/devices/cpu/m6502/m3745x.cpp...
Generating m4510 disassembler source file...
Compiling src/devices/cpu/m6502/m4510.cpp...
Compiling src/devices/cpu/m6502/m5074x.cpp...
Compiling src/devices/cpu/m6502/m6500_1.cpp...
Generating m6502 disassembler source file...
Compiling src/devices/cpu/m6502/m6502.cpp...
Compiling src/devices/cpu/m6502/m6504.cpp...
Compiling src/devices/cpu/m6502/m6507.cpp...
Generating m6509 disassembler source file...
Compiling src/devices/cpu/m6502/m6509.cpp...
Generating m6510 disassembler source file...
Compiling src/devices/cpu/m6502/m6510.cpp...
Compiling src/devices/cpu/m6502/m6510t.cpp...
Generating m65c02 disassembler source file...
Compiling src/devices/cpu/m6502/m65c02.cpp...
Generating m65ce02 disassembler source file...
Compiling src/devices/cpu/m6502/m65ce02.cpp...
Compiling src/devices/cpu/m6502/m65sc02.cpp...
Generating m740 disassembler source file...
Compiling src/devices/cpu/m6502/m740.cpp...
Compiling src/devices/cpu/m6502/m7501.cpp...
Compiling src/devices/cpu/m6502/m8502.cpp...
Generating n2a03 disassembler source file...
Compiling src/devices/cpu/m6502/n2a03.cpp...
Generating r65c02 disassembler source file...
Compiling src/devices/cpu/m6502/r65c02.cpp...
Generating r65c19 disassembler source file...
Compiling src/devices/cpu/m6502/r65c19.cpp...
Compiling src/devices/cpu/m6502/st2204.cpp...


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Compiling src/devices/cpu/m6502/st2205u.cpp...
Generating st2xxx disassembler source file...
Compiling src/devices/cpu/m6502/st2xxx.cpp...
Generating xavix disassembler source file...
Compiling src/devices/cpu/m6502/xavix.cpp...
Generating xavix2000 disassembler source file...
Compiling src/devices/cpu/m6502/xavix2000.cpp...
Compiling src/devices/cpu/m6800/m6800.cpp...
Compiling src/devices/cpu/m6800/m6801.cpp...
Compiling src/devices/cpu/m68000/m68kcpu.cpp...
Compiling src/devices/cpu/m68000/m68kfpv.cpp...
Compiling src/devices/cpu/m68000/m68kops.cpp...
Compiling src/devices/cpu/m6805/m6805.cpp...
Compiling src/devices/cpu/m6805/m68705.cpp...
Compiling src/devices/cpu/m6805/m68hc05.cpp...
Generating hd6309 source file...
Compiling src/devices/cpu/m6809/hd6309.cpp...
Generating konami source file...
Compiling src/devices/cpu/m6809/konami.cpp...
Generating m6809 source file...
Compiling src/devices/cpu/m6809/m6809.cpp...
Compiling src/devices/cpu/m88000/m88000.cpp...
Compiling src/devices/cpu/mb86233/mb86233.cpp...
Compiling src/devices/cpu/mb86235/mb86235.cpp...
Compiling src/devices/cpu/mb86235/mb86235drc.cpp...
Compiling src/devices/cpu/mb86235/mb86235fe.cpp...
Compiling src/devices/cpu/mb86235/mb86235ops.cpp...
Compiling src/devices/cpu/mb88xx/mb88xx.cpp...
Compiling src/devices/cpu/mc68hc11/mc68hc11.cpp...
Compiling src/devices/cpu/mcs40/mcs40.cpp...
Compiling src/devices/cpu/mcs48/mcs48.cpp...
Compiling src/devices/cpu/mcs51/axc51-core.cpp...
Compiling src/devices/cpu/mcs51/mcs51.cpp...
Generating i8x9x source file...
Compiling src/devices/cpu/mcs96/i8x9x.cpp...
Generating i8xc196 source file...
Compiling src/devices/cpu/mcs96/i8xc196.cpp...
Generating mcs96 source file...
Compiling src/devices/cpu/mcs96/mcs96.cpp...
Compiling src/devices/cpu/melps4/m58846.cpp...
Compiling src/devices/cpu/melps4/melps4.cpp...
Compiling src/devices/cpu/melps4/melps4op.cpp...
Compiling src/devices/cpu/minx/minx.cpp...
Compiling src/devices/cpu/mips/mips1.cpp...
Compiling src/devices/cpu/mips/mips3.cpp...
Compiling src/devices/cpu/mips/mips3com.cpp...
Compiling src/devices/cpu/mips/mips3drc.cpp...
Compiling src/devices/cpu/mips/mips3fe.cpp...
Compiling src/devices/cpu/mips/ps2vif1.cpp...
Compiling src/devices/cpu/mips/ps2vu.cpp...
Compiling src/devices/cpu/mips/r4000.cpp...
Compiling src/devices/cpu/mn10200/mn10200.cpp...
Compiling src/devices/cpu/mn1880/mn1880.cpp...
Compiling src/devices/cpu/nanoprocessor/nanoprocessor.cpp...
Compiling src/devices/cpu/nec/nec.cpp...
Compiling src/devices/cpu/nec/v25.cpp...
Compiling src/devices/cpu/nec/v25sfr.cpp...
Compiling src/devices/cpu/nec/v5x.cpp...
Compiling src/devices/cpu/ns32000/ns32000.cpp...
Compiling src/devices/cpu/pace/pace.cpp...
Compiling src/devices/cpu/patinho_feio/patinho_feio.cpp...
Compiling src/devices/cpu/pdp1/pdp1.cpp...
Compiling src/devices/cpu/pdp1/tx0.cpp...
Compiling src/devices/cpu/pic16c5x/pic16c5x.cpp...
Compiling src/devices/cpu/pic16c62x/pic16c62x.cpp...
Compiling src/devices/cpu/pic17/pic17.cpp...
Compiling src/devices/cpu/pic17/pic17c4x.cpp...
Compiling src/devices/cpu/powerpc/ppccom.cpp...
Compiling src/devices/cpu/powerpc/ppcdrc.cpp...
Compiling src/devices/cpu/powerpc/ppcfe.cpp...
Compiling src/devices/cpu/pps4/pps4.cpp...
Compiling src/devices/cpu/psx/dma.cpp...
Compiling src/devices/cpu/psx/gte.cpp...
Compiling src/devices/cpu/psx/irq.cpp...
Compiling src/devices/cpu/psx/mdec.cpp...
Compiling src/devices/cpu/psx/psx.cpp...
Compiling src/devices/cpu/psx/rcnt.cpp...

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Compiling src/devices/cpu/psx/sio.cpp...
Compiling src/devices/cpu/rii/riscii.cpp...
Compiling src/devices/cpu/rsp/rsp.cpp...
Compiling src/devices/cpu/rsp/rspcp2.cpp...
Compiling src/devices/cpu/rsp/rspcp2d.cpp...
Compiling src/devices/cpu/rsp/rspdc.cpp...
Compiling src/devices/cpu/rsp/rspfe.cpp...
Compiling src/devices/cpu/rx01/rx01.cpp...
Compiling src/devices/cpu/s2650/s2650.cpp...
Compiling src/devices/cpu/saturn/saturn.cpp...
Compiling src/devices/cpu/sc61860/sc61860.cpp...
Compiling src/devices/cpu/scmp/scmp.cpp...
Compiling src/devices/cpu/score/score.cpp...
Compiling src/devices/cpu/scudsp/scudsp.cpp...
Compiling src/devices/cpu/se3208/se3208.cpp...
Compiling src/devices/cpu/sh/sh.cpp...
Compiling src/devices/cpu/sh/sh2.cpp...
Compiling src/devices/cpu/sh/sh2comm.cpp...
Compiling src/devices/cpu/sh/sh2fe.cpp...
Compiling src/devices/cpu/sh/sh3comm.cpp...
Compiling src/devices/cpu/sh/sh4.cpp...
Compiling src/devices/cpu/sh/sh4comm.cpp...
Compiling src/devices/cpu/sh/sh4dmac.cpp...
Compiling src/devices/cpu/sh/sh4fe.cpp...
Compiling src/devices/cpu/sh/sh4tmu.cpp...
Compiling src/devices/cpu/sh/sh7604_bus.cpp...
Compiling src/devices/cpu/sh/sh7604_sci.cpp...
Compiling src/devices/cpu/sh/sh7604_wdt.cpp...
Compiling src/devices/cpu/sh/sh_fe.cpp...
Compiling src/devices/cpu/sharc/sharc.cpp...
Compiling src/devices/cpu/sharc/sharcdr.cpp...
Compiling src/devices/cpu/sharc/sharcfe.cpp...
Compiling src/devices/cpu/sm510/sm500core.cpp...
Compiling src/devices/cpu/sm510/sm500op.cpp...
Compiling src/devices/cpu/sm510/sm510base.cpp...
Compiling src/devices/cpu/sm510/sm510core.cpp...
Compiling src/devices/cpu/sm510/sm510op.cpp...
Compiling src/devices/cpu/sm510/sm511core.cpp...
Compiling src/devices/cpu/sm510/sm530core.cpp...
Compiling src/devices/cpu/sm510/sm530op.cpp...
Compiling src/devices/cpu/sm510/sm590core.cpp...
Compiling src/devices/cpu/sm510/sm590op.cpp...
Compiling src/devices/cpu/sm510/sm5acore.cpp...
Compiling src/devices/cpu/sm8500/sm8500.cpp...
Compiling src/devices/cpu/sparc/sparc.cpp...
Compiling src/devices/cpu/spc700/spc700.cpp...
Compiling src/devices/cpu/ssem/ssem.cpp...
Compiling src/devices/cpu/ssp1601/ssp1601.cpp...
Compiling src/devices/cpu/st62xx/st62xx.cpp...
Compiling src/devices/cpu/superfx/superfx.cpp...
Compiling src/devices/cpu/t11/t11.cpp...
Compiling src/devices/cpu/tlcs870/tlcs870.cpp...
Compiling src/devices/cpu/tlcs870/tlcs870_ops.cpp...
Compiling src/devices/cpu/tlcs870/tlcs870_ops_dst.cpp...
Compiling src/devices/cpu/tlcs870/tlcs870_ops_helper.cpp...
Compiling src/devices/cpu/tlcs870/tlcs870_ops_reg.cpp...
Compiling src/devices/cpu/tlcs870/tlcs870_ops_src.cpp...
Compiling src/devices/cpu/tlcs90/tlcs90.cpp...
Compiling src/devices/cpu/tlcs900/tlcs900.cpp...
Compiling src/devices/cpu/tlcs900/tmp95c061.cpp...
Compiling src/devices/cpu/tlcs900/tmp95c063.cpp...
Compiling src/devices/cpu/tlcs900/tmp96c141.cpp...
Compiling src/devices/cpu/tms1000/tms0270.cpp...
Compiling src/devices/cpu/tms1000/tms0970.cpp...
Compiling src/devices/cpu/tms1000/tms0980.cpp...
Compiling src/devices/cpu/tms1000/tms1000.cpp...
Compiling src/devices/cpu/tms1000/tms1000c.cpp...
Compiling src/devices/cpu/tms1000/tms1100.cpp...
Compiling src/devices/cpu/tms1000/tms1400.cpp...
Compiling src/devices/cpu/tms1000/tms1k_base.cpp...
Compiling src/devices/cpu/tms1000/tp0320.cpp...
Compiling src/devices/cpu/tms32010/tms32010.cpp...
Compiling src/devices/cpu/tms32025/tms32025.cpp...
Compiling src/devices/cpu/tms32031/tms32031.cpp...
Compiling src/devices/cpu/tms32051/tms32051.cpp...
Compiling src/devices/cpu/tms32082/mp_ops.cpp...
Compiling src/devices/cpu/tms32082/tms32082.cpp...

Compiling src/devices/cpu/tms34010/tms34010.cpp...
Compiling src/devices/cpu/tms57002/tms57002.cpp...
Compiling src/devices/cpu/tms57002/tms57kdec.cpp...
Compiling src/devices/cpu/tms57002/tmsops.cpp...
Compiling src/devices/cpu/tms7000/tms7000.cpp...
Compiling src/devices/cpu/tms7000/tms7000op.cpp...
Compiling src/devices/cpu/tms9900/ti990_10.cpp...
Compiling src/devices/cpu/tms9900/tms9900.cpp...
Compiling src/devices/cpu/tms9900/tms9980a.cpp...
Compiling src/devices/cpu/tms9900/tms9995.cpp...
Compiling src/devices/cpu/ucom4/ucom4.cpp...
Compiling src/devices/cpu/ucom4/ucom4op.cpp...
Compiling src/devices/cpu/uml.cpp...
Compiling src/devices/cpu/unsp/unsp.cpp...
Compiling src/devices/cpu/unsp/unsp_extended.cpp...
Compiling src/devices/cpu/unsp/unsp_exxxx.cpp...
Compiling src/devices/cpu/unsp/unsp_fxxx.cpp...
Compiling src/devices/cpu/unsp/unsp_jumps.cpp...
Compiling src/devices/cpu/unsp/unsp_other.cpp...
Compiling src/devices/cpu/unsp/unspdrc.cpp...
Compiling src/devices/cpu/unsp/unspfe.cpp...
Compiling src/devices/cpu/upd7725/upd7725.cpp...
Compiling src/devices/cpu/upd7810/upd7810.cpp...
Compiling src/devices/cpu/upd7810/upd7810_opcodes.cpp...
Compiling src/devices/cpu/upd7810/upd7810_table.cpp...
Compiling src/devices/cpu/upd7810/upd7811.cpp...
Compiling src/devices/cpu/upd78k/upd78k0.cpp...
Compiling src/devices/cpu/upd78k/upd78k2.cpp...
Compiling src/devices/cpu/upd78k/upd78k3.cpp...
Compiling src/devices/cpu/v30mz/v30mz.cpp...
Compiling src/devices/cpu/v60/v60.cpp...
Compiling src/devices/cpu/v810/v810.cpp...
Compiling src/devices/cpu/vt50/vt50.cpp...
Compiling src/devices/cpu/vt61/vt61.cpp...
Compiling src/devices/cpu/we32000/we32100.cpp...
Compiling src/devices/cpu/x86log.cpp...
Compiling src/devices/cpu/xavix2/xavix2.cpp...
Compiling src/devices/cpu/z180/hd647180x.cpp...
Compiling src/devices/cpu/z180/z180.cpp...
Compiling src/devices/cpu/z8/z8.cpp...
Compiling src/devices/cpu/z80/kc82.cpp...
Compiling src/devices/cpu/z80/k15c80a12.cpp...
Compiling src/devices/cpu/z80/k15c80a16.cpp...
Compiling src/devices/cpu/z80/kp63.cpp...
Compiling src/devices/cpu/z80/kp69.cpp...
Compiling src/devices/cpu/z80/ky80.cpp...
Compiling src/devices/cpu/z80/lz8420m.cpp...
Compiling src/devices/cpu/z80/tmpz84c011.cpp...
Compiling src/devices/cpu/z80/tmpz84c015.cpp...
Compiling src/devices/cpu/z80/z80.cpp...
Compiling src/devices/cpu/z8000/z8000.cpp...
Compiling src/devices/imagedev/avivideo.cpp...
Compiling src/devices/imagedev/bitbng.cpp...
Compiling src/devices/imagedev/cassette.cpp...
Compiling src/devices/imagedev/chd_cd.cpp...
Compiling src/devices/imagedev/diablo.cpp...
Compiling src/devices/imagedev/flopdv.cpp...
Compiling src/devices/imagedev/floppy.cpp...
Compiling src/devices/imagedev/harddriv.cpp...
Compiling src/devices/imagedev/mfmhd.cpp...
Compiling src/devices/imagedev/microdrv.cpp...
Compiling src/devices/imagedev/midiin.cpp...
Compiling src/devices/imagedev/midiout.cpp...
Compiling src/devices/imagedev/picture.cpp...
Compiling src/devices/imagedev/printer.cpp...
Compiling src/devices/imagedev/snapquik.cpp...
Compiling src/devices/imagedev/wafadrive.cpp...
Compiling src/devices/machine/lma6.cpp...
Compiling src/devices/machine/lmb5.cpp...
Compiling src/devices/machine/2812fifo.cpp...
Compiling src/devices/machine/28fxxx.cpp...
Compiling src/devices/machine/40105.cpp...
Compiling src/devices/machine/53c7xx.cpp...
Compiling src/devices/machine/53c810.cpp...
Compiling src/devices/machine/64h156.cpp...
Compiling src/devices/machine/6522via.cpp...
Compiling src/devices/machine/6525tpi.cpp...

Compiling src/devices/machine/6532riot.cpp...
Compiling src/devices/machine/68153bim.cpp...
Compiling src/devices/machine/6821pia.cpp...
Compiling src/devices/machine/68230pit.cpp...
Compiling src/devices/machine/68307.cpp...
Compiling src/devices/machine/68307bus.cpp...
Compiling src/devices/machine/68307sim.cpp...
Compiling src/devices/machine/68307tmu.cpp...
Compiling src/devices/machine/68340.cpp...
Compiling src/devices/machine/68340dma.cpp...
Compiling src/devices/machine/68340ser.cpp...
Compiling src/devices/machine/68340sim.cpp...
Compiling src/devices/machine/68340tmu.cpp...
Compiling src/devices/machine/6840ptm.cpp...
Compiling src/devices/machine/6850acia.cpp...
Compiling src/devices/machine/68561mpcc.cpp...
Compiling src/devices/machine/7200fifo.cpp...
Compiling src/devices/machine/7400.cpp...
Compiling src/devices/machine/7404.cpp...
Compiling src/devices/machine/74123.cpp...
Compiling src/devices/machine/74145.cpp...
Compiling src/devices/machine/74148.cpp...
Compiling src/devices/machine/74153.cpp...
Compiling src/devices/machine/74157.cpp...
Compiling src/devices/machine/74161.cpp...
Compiling src/devices/machine/74165.cpp...
Compiling src/devices/machine/74166.cpp...
Compiling src/devices/machine/74175.cpp...
Compiling src/devices/machine/74181.cpp...
Compiling src/devices/machine/74259.cpp...
Compiling src/devices/machine/74381.cpp...
Compiling src/devices/machine/74543.cpp...
Compiling src/devices/machine/7474.cpp...
Compiling src/devices/machine/8042kbdc.cpp...
Compiling src/devices/machine/82s129.cpp...
Compiling src/devices/machine/8364_paula.cpp...
Compiling src/devices/machine/8530scc.cpp...
Compiling src/devices/machine/aakart.cpp...
Compiling src/devices/machine/acorn_vidc.cpp...
Compiling src/devices/machine/adc0804.cpp...
Compiling src/devices/machine/adc0808.cpp...
Compiling src/devices/machine/adc083x.cpp...
Compiling src/devices/machine/adc0844.cpp...
Compiling src/devices/machine/adc1038.cpp...
Compiling src/devices/machine/adc1213x.cpp...
Compiling src/devices/machine/aic565.cpp...
Compiling src/devices/machine/aic580.cpp...
Compiling src/devices/machine/aic6250.cpp...
Compiling src/devices/machine/aicartc.cpp...
Compiling src/devices/machine/akiko.cpp...
Compiling src/devices/machine/alpha_8921.cpp...
Compiling src/devices/machine/am25s55x.cpp...
Compiling src/devices/machine/am2847.cpp...
Compiling src/devices/machine/am2901b.cpp...
Compiling src/devices/machine/am2910.cpp...
Compiling src/devices/machine/am53cf96.cpp...
Compiling src/devices/machine/am79c30.cpp...
Compiling src/devices/machine/am79c90.cpp...
Compiling src/devices/machine/am9513.cpp...
Compiling src/devices/machine/am9517a.cpp...
Compiling src/devices/machine/am9519.cpp...
Compiling src/devices/machine/amigafdc.cpp...
Compiling src/devices/machine/appldriv.cpp...
Compiling src/devices/machine/applefdc.cpp...
Compiling src/devices/machine/applefdintf.cpp...
Compiling src/devices/machine/arm_iomd.cpp...
Compiling src/devices/machine/at28c16.cpp...
Compiling src/devices/machine/at29x.cpp...
Compiling src/devices/machine/at45dbxx.cpp...
Compiling src/devices/machine/at_keybc.cpp...
Compiling src/devices/machine/ataflash.cpp...
Compiling src/devices/machine/atmel_arm_aic.cpp...
Compiling src/devices/machine/autoconfig.cpp...
Compiling src/devices/machine/ay31015.cpp...
Compiling src/devices/machine/bankdev.cpp...
Compiling src/devices/machine/bcreader.cpp...
Compiling src/devices/machine/bl_handhelds_menucontrol.cpp...

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Compiling src/devices/machine/bq4847.cpp...
Compiling src/devices/machine/bq48x2.cpp...
Compiling src/devices/machine/buffer.cpp...
Compiling src/devices/machine/busmouse.cpp...
Compiling src/devices/machine/cdp1852.cpp...
Compiling src/devices/machine/cdp1871.cpp...
Compiling src/devices/machine/cdp1879.cpp...
Compiling src/devices/machine/chessmachine.cpp...
Compiling src/devices/machine/clock.cpp...
Compiling src/devices/machine/com8116.cpp...
Compiling src/devices/machine/cop452.cpp...
Compiling src/devices/machine/corvushd.cpp...
Compiling src/devices/machine/cr511b.cpp...
Compiling src/devices/machine/cs4031.cpp...
../../../../../../../../src/devices/machine/cs4031.cpp: In member function 'virtual void
cs4031_device::device_start()':
../../../../../../../../src/devices/machine/cs4031.cpp:214:60: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = ram_device]' is deprecated: absolute
tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
 214 |   ram_device *ram_dev = machine().device<ram_device>(RAM_TAG);
      |
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:214:122: note: declared here
 214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~
../../../../../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = ram_device]':
../../../../../../../../src/devices/machine/cs4031.cpp:214:60: required from here
../../../../../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]
 214 |   template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~^~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:213:90: note: declared here
 213 |   [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
      |
~~~~~
Compiling src/devices/machine/cs8221.cpp...
Compiling src/devices/machine/cs8900a.cpp...
Compiling src/devices/machine/cxd1095.cpp...
Compiling src/devices/machine/cxd1185.cpp...
Compiling src/devices/machine/dc7085.cpp...
Compiling src/devices/machine/diablo_hd.cpp...
Compiling src/devices/machine/dmac.cpp...
Compiling src/devices/machine/dp8390.cpp...
Compiling src/devices/machine/dp83932c.cpp...
Compiling src/devices/machine/dp8573.cpp...
Compiling src/devices/machine/ds1204.cpp...
Compiling src/devices/machine/ds1205.cpp...
Compiling src/devices/machine/ds128x.cpp...
Compiling src/devices/machine/ds1302.cpp...
Compiling src/devices/machine/ds1315.cpp...
Compiling src/devices/machine/ds1386.cpp...
Compiling src/devices/machine/ds17x85.cpp...
Compiling src/devices/machine/ds1994.cpp...
Compiling src/devices/machine/ds2401.cpp...
Compiling src/devices/machine/ds2404.cpp...
Compiling src/devices/machine/ds75160a.cpp...
Compiling src/devices/machine/ds75161a.cpp...
Compiling src/devices/machine/e0516.cpp...
Compiling src/devices/machine/e05a03.cpp...
Compiling src/devices/machine/e05a30.cpp...
Compiling src/devices/machine/edlc.cpp...
Compiling src/devices/machine/EEPROM.cpp...
Compiling src/devices/machine/EEPROMpar.cpp...
Compiling src/devices/machine/EEPROMser.cpp...
Compiling src/devices/machine/er1400.cpp...
Compiling src/devices/machine/er2055.cpp...
Compressing src/emu/layout/exorterm155.lay...

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Compiling src/devices/machine/exorterm.cpp...
Compiling src/devices/machine/f3853.cpp...
Compiling src/devices/machine/fdc37c665gt.cpp...
Compiling src/devices/machine/fdc37c93x.cpp...
Compiling src/devices/machine/fdc_pll.cpp...
Compiling src/devices/machine/fga002.cpp...
Compiling src/devices/machine/gayle.cpp...
Compiling src/devices/machine/gen_fifo.cpp...
Compiling src/devices/machine/gen_latch.cpp...
Compiling src/devices/machine/generalplus_gpl16250soc.cpp...
Compiling src/devices/machine/generalplus_gpl16250soc_video.cpp...
Compiling src/devices/machine/genpc.cpp...
Compiling src/devices/machine/gt64xxx.cpp...
Compiling src/devices/machine/hd63450.cpp...
Compiling src/devices/machine/hd64610.cpp...
Compiling src/devices/machine/hdc92x4.cpp...
Compiling src/devices/machine/hp_dc100_tape.cpp...
Compiling src/devices/machine/hp_taco.cpp...
Compiling src/devices/machine/i2cmem.cpp...
Compiling src/devices/machine/i3001.cpp...
Compiling src/devices/machine/i3002.cpp...
Compiling src/devices/machine/i6300esb.cpp...
Compiling src/devices/machine/i7220.cpp...
Compiling src/devices/machine/i80130.cpp...
Compiling src/devices/machine/i8087.cpp...
Compiling src/devices/machine/i8155.cpp...
Compiling src/devices/machine/i8212.cpp...
Compiling src/devices/machine/i8214.cpp...
Compiling src/devices/machine/i82355.cpp...
Compiling src/devices/machine/i82357.cpp...
Compiling src/devices/machine/i82371sb.cpp...
Compiling src/devices/machine/i8243.cpp...
Compiling src/devices/machine/i82439hx.cpp...
Compiling src/devices/machine/i82439tx.cpp...
Compiling src/devices/machine/i8251.cpp...
Compiling src/devices/machine/i82541.cpp...
Compiling src/devices/machine/i8255.cpp...
Compiling src/devices/machine/i8257.cpp...
Compiling src/devices/machine/i82586.cpp...
Compiling src/devices/machine/i8271.cpp...
Compiling src/devices/machine/i8279.cpp...
Compiling src/devices/machine/i82875p.cpp...
Compiling src/devices/machine/i8291a.cpp...
Compiling src/devices/machine/i8355.cpp...
Compiling src/devices/machine/ibm21s850.cpp...
Compiling src/devices/machine/icm7170.cpp...
Compiling src/devices/machine/idectrl.cpp...
Compressing src/emu/layout/ie15.lay...
Compiling src/devices/machine/ie15.cpp...
Compiling src/devices/machine/ie15_kbd.cpp...
Compiling src/devices/machine/im6402.cpp...
Compiling src/devices/machine/input_merger.cpp...
Compiling src/devices/machine/ins8154.cpp...
Compiling src/devices/machine/ins8250.cpp...
Compiling src/devices/machine/intelfsh.cpp...
Compiling src/devices/machine/iopcdvd.cpp...
Compiling src/devices/machine/iopdma.cpp...
Compiling src/devices/machine/iopintc.cpp...
Compiling src/devices/machine/iopsio2.cpp...
Compiling src/devices/machine/ioptimer.cpp...
Compiling src/devices/machine/iwm.cpp...
Compiling src/devices/machine/jvsdev.cpp...
Compiling src/devices/machine/jvshost.cpp...
Compiling src/devices/machine/k033906.cpp...
Compiling src/devices/machine/k053252.cpp...
Compiling src/devices/machine/k054321.cpp...
Compiling src/devices/machine/k056230.cpp...
Compiling src/devices/machine/kb3600.cpp...
Compiling src/devices/machine/keyboard.cpp...
Compiling src/devices/machine/kr2376.cpp...
Compiling src/devices/machine/laserdsc.cpp...
Compiling src/devices/machine/latch8.cpp...
Compiling src/devices/machine/lc89510.cpp...
Compiling src/devices/machine/ldp1000.cpp...
Compiling src/devices/machine/ldp1450.cpp...
Compiling src/devices/machine/ldpr8210.cpp...
Compiling src/devices/machine/ldstub.cpp...

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Compiling src/devices/machine/ldv1000.cpp...
Compiling src/devices/machine/ldvp931.cpp...
Compiling src/devices/machine/legscsi.cpp...
Compiling src/devices/machine/lh5810.cpp...
Compiling src/devices/machine/linflash.cpp...
Compiling src/devices/machine/lpc-acpi.cpp...
Compiling src/devices/machine/lpc-pit.cpp...
Compiling src/devices/machine/lpc-rtc.cpp...
Compiling src/devices/machine/lpci.cpp...
../../../../../../src/devices/machine/lpci.cpp: In member function 'virtual void
pci_bus_legacy_device::device_start()':
../../../../../../src/devices/machine/lpci.cpp:266:83: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = pci_bus_legacy_device]' is
deprecated: absolute tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
 266 | pci_bus_legacy_device *father = machine().device<pci_bus_legacy_device>(m_father);
      |
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
 214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~
../../../../../../src/emu/machine.h: In instantiation of 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = pci_bus_legacy_device]':
../../../../../../src/devices/machine/lpci.cpp:266:83: required from here
../../../../../../src/emu/machine.h:214:185: warning: 'device_t* running_machine::device(const
char*) const' is deprecated: absolute tag lookup; use subdevice or finder instead [-
Wdeprecated-declarations]
 214 | template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
~~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:213:90: note: declared here
 213 | [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }
      |
~~~~~
Compiling src/devices/machine/m3002.cpp...
Compiling src/devices/machine/m68sfdc.cpp...
Compiling src/devices/machine/m6m8001lap.cpp...
Compiling src/devices/machine/mb14241.cpp...
Compiling src/devices/machine/mb3773.cpp...
Compiling src/devices/machine/mb8421.cpp...
Compiling src/devices/machine/mb87030.cpp...
Compiling src/devices/machine/mb87078.cpp...
Compiling src/devices/machine/mb8795.cpp...
Compiling src/devices/machine/mb89352.cpp...
Compiling src/devices/machine/mb89363b.cpp...
Compiling src/devices/machine/mb89371.cpp...
Compiling src/devices/machine/mb89374.cpp...
Compiling src/devices/machine/mc14411.cpp...
Compiling src/devices/machine/mc146818.cpp...
Compiling src/devices/machine/mc68328.cpp...
Compiling src/devices/machine/mc6843.cpp...
Compiling src/devices/machine/mc6844.cpp...
Compiling src/devices/machine/mc6846.cpp...
Compiling src/devices/machine/mc6852.cpp...
Compiling src/devices/machine/mc6854.cpp...
Compiling src/devices/machine/mc68681.cpp...
Compiling src/devices/machine/mc68901.cpp...
Compiling src/devices/machine/mccs1850.cpp...
Compiling src/devices/machine/mcf5206e.cpp...
../../../../../../src/devices/machine/mcf5206e.cpp: In member function 'virtual void
mcf5206e_peripheral_device::device_reset()':
../../../../../../src/devices/machine/mcf5206e.cpp:873:50: warning: 'device_t*
running_machine::device(const char*) const' is deprecated: absolute tag lookup; use subdevice
or finder instead [-Wdeprecated-declarations]
 873 | m_cpu = (cpu_device*)machine().device(":maincpu"); // hack. this device should really
be attached to a modern CPU core
      |
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:213:90: note: declared here
 213 | [[deprecated("absolute tag lookup; use subdevice or finder instead")]] inline
device_t *device(const char *tag) const { return root_device().subdevice(tag); }

```

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|
^~~~~~
Compiling src/devices/machine/meters.cpp...
Compiling src/devices/machine/microtch.cpp...
Compiling src/devices/machine/mm5307.cpp...
Compiling src/devices/machine/mm5740.cpp...
Compiling src/devices/machine/mm58167.cpp...
Compiling src/devices/machine/mm58174.cpp...
Compiling src/devices/machine/mm58274c.cpp...
Compiling src/devices/machine/mm74c922.cpp...
Compiling src/devices/machine/mos6526.cpp...
Compiling src/devices/machine/mos6529.cpp...
Compiling src/devices/machine/mos6530.cpp...
Compiling src/devices/machine/mos6530n.cpp...
Compiling src/devices/machine/mos6551.cpp...
Compiling src/devices/machine/mos6702.cpp...
Compiling src/devices/machine/mos8706.cpp...
Compiling src/devices/machine/mos8722.cpp...
Compiling src/devices/machine/mos8726.cpp...
Compiling src/devices/machine/mpu401.cpp...
Compiling src/devices/machine/msm5832.cpp...
Compiling src/devices/machine/msm58321.cpp...
Compiling src/devices/machine/msm6242.cpp...
Compiling src/devices/machine/msm6253.cpp...
Compiling src/devices/machine/myb3k_kbd.cpp...
Compiling src/devices/machine/ncr5380.cpp...
Compiling src/devices/machine/ncr5380n.cpp...
Compiling src/devices/machine/ncr5385.cpp...
Compiling src/devices/machine/ncr5390.cpp...
Compiling src/devices/machine/ncr539x.cpp...
Compiling src/devices/machine/netlist.cpp...
Compiling src/devices/machine/nmc9306.cpp...
Compiling src/devices/machine/ns32081.cpp...
Compiling src/devices/machine/ns32202.cpp...
Compiling src/devices/machine/nsc810.cpp...
Compiling src/devices/machine/nscsi_bus.cpp...
Compiling src/devices/machine/nscsi_cb.cpp...
Compiling src/devices/machine/nvram.cpp...
Compiling src/devices/machine/output_latch.cpp...
Compiling src/devices/machine/pc_fdc.cpp...
Compiling src/devices/machine/pc_lpt.cpp...
Compiling src/devices/machine/pccard.cpp...
Compiling src/devices/machine/pcf8583.cpp...
Compiling src/devices/machine/pcf8584.cpp...
Compiling src/devices/machine/pcf8593.cpp...
Compiling src/devices/machine/pci-apic.cpp...
Compiling src/devices/machine/pci-ide.cpp...
Compiling src/devices/machine/pci-sata.cpp...
Compiling src/devices/machine/pci-smbus.cpp...
Compiling src/devices/machine/pci-usb.cpp...
Compiling src/devices/machine/pci.cpp...
Compiling src/devices/machine/pci9050.cpp...
Compiling src/devices/machine/pckeybrd.cpp...
Compiling src/devices/machine/pdc.cpp...
Compiling src/devices/machine/phi.cpp...
Compiling src/devices/machine/pic8259.cpp...
Compiling src/devices/machine/pit8253.cpp...
Compiling src/devices/machine/pla.cpp...
Compiling src/devices/machine/ps2dma.cpp...
Compiling src/devices/machine/ps2intc.cpp...
Compiling src/devices/machine/ps2mc.cpp...
Compiling src/devices/machine/ps2pad.cpp...
Compiling src/devices/machine/ps2sif.cpp...
Compiling src/devices/machine/ps2timer.cpp...
Compiling src/devices/machine/pxa255.cpp...
Compiling src/devices/machine/r10696.cpp...
Compiling src/devices/machine/r10788.cpp...
Compiling src/devices/machine/ral7xx.cpp...
Compiling src/devices/machine/ram.cpp...
Compiling src/devices/machine/rf5c296.cpp...
Compiling src/devices/machine/ripple_counter.cpp...
Compiling src/devices/machine/roc10937.cpp...
Compiling src/devices/machine/rp5c01.cpp...
Compiling src/devices/machine/rp5c15.cpp...
Compiling src/devices/machine/rp5h01.cpp...
Compiling src/devices/machine/rstbuf.cpp...
Compiling src/devices/machine/rtc4543.cpp...

```



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Compiling src/devices/machine/rtc65271.cpp...
Compiling src/devices/machine/rtc9701.cpp...
Compiling src/devices/machine/s2636.cpp...
Compiling src/devices/machine/s3520cf.cpp...
Compiling src/devices/machine/s3c2400.cpp...
Compiling src/devices/machine/s3c2410.cpp...
Compiling src/devices/machine/s3c2440.cpp...
Compiling src/devices/machine/s3c24xx.cpp...
Compiling src/devices/machine/s3c44b0.cpp...
Compiling src/devices/machine/s_smp.cpp...
Compiling src/devices/machine/sa1110.cpp...
Compiling src/devices/machine/sa1043.cpp...
Compiling src/devices/machine/scc2698b.cpp...
Compiling src/devices/machine/scc68070.cpp...
Compiling src/devices/machine/scn_pci.cpp...
Compiling src/devices/machine/scnxx562.cpp...
Compiling src/devices/machine/sda2006.cpp...
Compiling src/devices/machine/sdlc.cpp...
Compiling src/devices/machine/sega_scu.cpp...
Compiling src/devices/machine/sensorboard.cpp...
Compiling src/devices/machine/serflash.cpp...
Compiling src/devices/machine/sis85c496.cpp...
Compiling src/devices/machine/smartmed.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../../../src/devices/machine/smartmed.cpp: In member function 'image_init_result
smartmedia_image_device::smartmedia_format_1()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      ^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      ^~~~~
../../../../../../src/devices/machine/smartmed.cpp:144:15: note: in expansion of macro
'auto_alloc_array'
   144 | m_data_ptr = auto_alloc_array(machine(), uint8_t, m_page_total_size*m_num_pages);
      |
      ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      ^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../../../src/devices/machine/smartmed.cpp: In member function 'image_init_result
smartmedia_image_device::smartmedia_format_2()':
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)
      |
      ^
../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
[_num], (_num))
      |
      ^~~~~
../../../../../../src/devices/machine/smartmed.cpp:239:15: note: in expansion of macro
'auto_alloc_array'
   239 | m_data_ptr = auto_alloc_array(machine(), uint8_t, m_page_total_size*m_num_pages);
      |
      ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      ^~~~~~
Compiling src/devices/machine/smc91c9x.cpp...
Compiling src/devices/machine/smioc.cpp...
Compiling src/devices/machine/smpc.cpp...
Compiling src/devices/machine/sonydriv.cpp...
../../../../../../src/devices/machine/sonydriv.cpp: In function 'legacy_floppy_image_device*
floppy_get_device(running_machine&, int)':

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../../../../../../src/devices/machine/sonydriv.cpp:109:70: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = legacy_floppy_image_device]' is
deprecated: absolute tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  109 |     case 0 : return machine.device<legacy_floppy_image_device>(FLOPPY_0);
      |                                     ^
In file included from ../../../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
../../../../../../src/devices/machine/sonydriv.cpp:110:70: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = legacy_floppy_image_device]' is
deprecated: absolute tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  110 |     case 1 : return machine.device<legacy_floppy_image_device>(FLOPPY_1);
      |                                     ^
In file included from ../../../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
../../../../../../src/devices/machine/sonydriv.cpp:111:70: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = legacy_floppy_image_device]' is
deprecated: absolute tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  111 |     case 2 : return machine.device<legacy_floppy_image_device>(FLOPPY_2);
      |                                     ^
In file included from ../../../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
../../../../../../src/devices/machine/sonydriv.cpp:112:70: warning: 'DeviceClass*
running_machine::device(const char*) [with DeviceClass = legacy_floppy_image_device]' is
deprecated: absolute tag lookup; use subdevice or finder instead [-Wdeprecated-declarations]
  112 |     case 3 : return machine.device<legacy_floppy_image_device>(FLOPPY_3);
      |                                     ^
In file included from ../../../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:214:122: note: declared here
  214 |     template <class DeviceClass> [[deprecated("absolute tag lookup; use subdevice or
finder instead")]] inline DeviceClass *device(const char *tag) { return downcast<DeviceClass
*>(device(tag)); }
      |
^~~~~~
In file included from ../../../../../../../../src/emu/emu.h:39,
from ../../../../../../../../src/emu/emu.h:30:
../../../../../../src/devices/machine/sonydriv.cpp: In function 'void load_track_data(device_t*,
int)':
../../../../../../src/emu/machine.h:73:93: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   73 | #define auto_free(m, v)                pool_free(static_cast<running_machine
&>(m).respool(), v)
      |
^
../../../../../../src/emu/emualloc.h:33:54: note: in definition of macro 'pool_free'
   33 | #define pool_free(_pool, v)            (_pool).remove(v)
      |
../../../../../../src/devices/machine/sonydriv.cpp:166:27: note: in expansion of macro
'auto_free'
  166 |     if (f->loadedtrack_data) auto_free(device->machine(),f->loadedtrack_data);
      |                                     ^~~~~~
In file included from ../../../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
  169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
In file included from ../../../../../../../../src/emu/emu.h:39,
from ../../../../../../../../src/emu/emu.h:30:
../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
&>(m).respool(), t, c)

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Compiling src/devices/machine/timer.cpp...
Compiling src/devices/machine/tmc0430.cpp...
Compiling src/devices/machine/tmc208k.cpp...
Compiling src/devices/machine/tmp68301.cpp...
Compiling src/devices/machine/tms1024.cpp...
Compiling src/devices/machine/tms5501.cpp...
Compiling src/devices/machine/tms6100.cpp...
Compiling src/devices/machine/tms9901.cpp...
Compiling src/devices/machine/tms9902.cpp...
Compiling src/devices/machine/tms9914.cpp...
Compiling src/devices/machine/tsb12lv01a.cpp...
Compiling src/devices/machine/tube.cpp...
Compiling src/devices/machine/upd1990a.cpp...
Compiling src/devices/machine/upd4701.cpp...
Compiling src/devices/machine/upd4992.cpp...
Compiling src/devices/machine/upd7001.cpp...
Compiling src/devices/machine/upd7002.cpp...
Compiling src/devices/machine/upd7004.cpp...
Compiling src/devices/machine/upd71071.cpp...
Compiling src/devices/machine/upd765.cpp...
Compiling src/devices/machine/v3021.cpp...
Compiling src/devices/machine/vic_pll192.cpp...
Compiling src/devices/machine/vr0uart.cpp...
Compiling src/devices/machine/vrc4373.cpp...
Compiling src/devices/machine/vrc5074.cpp...
Compiling src/devices/machine/vrender0.cpp...
Compiling src/devices/machine/vt82c496.cpp...
Compiling src/devices/machine/vt83c461.cpp...
Compiling src/devices/machine/watchdog.cpp...
Compiling src/devices/machine/wd1000.cpp...
Compiling src/devices/machine/wd1010.cpp...
Compiling src/devices/machine/wd11c00_17.cpp...
Compiling src/devices/machine/wd2010.cpp...
Compiling src/devices/machine/wd33c9x.cpp...
Compiling src/devices/machine/wd7600.cpp...
Compiling src/devices/machine/wd_fdc.cpp...
Compiling src/devices/machine/wozfdc.cpp...
Compiling src/devices/machine/wtl3132.cpp...
Compiling src/devices/machine/x2201.cpp...
Compiling src/devices/machine/x2212.cpp...
Compiling src/devices/machine/x76f041.cpp...
Compiling src/devices/machine/x76f100.cpp...
Compiling src/devices/machine/xcl700e.cpp...
Compiling src/devices/machine/ym2148.cpp...
Compiling src/devices/machine/ym3802.cpp...
Compiling src/devices/machine/z8038.cpp...
Compiling src/devices/machine/z80ctc.cpp...
Compiling src/devices/machine/z80daisy.cpp...
Compiling src/devices/machine/z80daisy_generic.cpp...
Compiling src/devices/machine/z80dma.cpp...
Compiling src/devices/machine/z80pio.cpp...
Compiling src/devices/machine/z80scc.cpp...
Compiling src/devices/machine/z80sio.cpp...
Compiling src/devices/machine/z80sti.cpp...
Compiling src/devices/machine/z8536.cpp...
Compiling src/devices/sound/2203intf.cpp...
Compiling src/devices/sound/2608intf.cpp...
Compiling src/devices/sound/2610intf.cpp...
Compiling src/devices/sound/2612intf.cpp...
Compiling src/devices/sound/262intf.cpp...
Compiling src/devices/sound/315-5641.cpp...
Compiling src/devices/sound/3526intf.cpp...
Compiling src/devices/sound/3812intf.cpp...
Compiling src/devices/sound/8950intf.cpp...
Compiling src/devices/sound/ad1848.cpp...
Compiling src/devices/sound/aica.cpp...
Compiling src/devices/sound/aicadsp.cpp...
Compiling src/devices/sound/asc.cpp...
Compiling src/devices/sound/astrocde.cpp...
Compiling src/devices/sound/awacs.cpp...
Compiling src/devices/sound/ay8910.cpp...
Compiling src/devices/sound/beep.cpp...
Compiling src/devices/sound/bsmt2000.cpp...
Compiling src/devices/sound/c140.cpp...
Compiling src/devices/sound/c352.cpp...
Compiling src/devices/sound/c6280.cpp...
Compiling src/devices/sound/cdda.cpp...

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Compiling src/devices/sound/cdp1863.cpp...
Compiling src/devices/sound/cdp1864.cpp...
Compiling src/devices/sound/cdp1869.cpp...
Compiling src/devices/sound/cem3394.cpp...
Compiling src/devices/sound/dac.cpp...
Compiling src/devices/sound/dac76.cpp...
Compiling src/devices/sound/dave.cpp...
Compiling src/devices/sound/digitalk.cpp...
Compiling src/devices/sound/discrete.cpp...
Compiling src/devices/sound/dmadac.cpp...
Compiling src/devices/sound/dspv.cpp...
Compiling src/devices/sound/es1373.cpp...
Compiling src/devices/sound/es5503.cpp...
Compiling src/devices/sound/es5506.cpp...
Compiling src/devices/sound/es8712.cpp...
Compiling src/devices/sound/esqpump.cpp...
Compiling src/devices/sound/flt_biquad.cpp...
Compiling src/devices/sound/flt_rc.cpp...
Compiling src/devices/sound/flt_vol.cpp...
Compiling src/devices/sound/fm.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../../../src/devices/sound/fm.cpp: In function 'void* ym2203_init(device_t*, int, int,
FM_TIMERHANDLER, FM_IRQHANDLER, const ssg_callbacks*)':
../../../../../../src/emu/machine.h:70:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   70 | #define auto_alloc_clear(m, t)          pool_alloc_clear(static_cast<running_machine
&>(m).respool(), t)
      |
      ^
../../../../../../src/emu/emualloc.h:30:54: note: in definition of macro 'pool_alloc_clear'
   30 | #define pool_alloc_clear(_pool, _type)
      |
      ^
../../../../../../src/devices/sound/fm.cpp:2279:10: note: in expansion of macro
'auto_alloc_clear'
 2279 | F2203 = auto_alloc_clear(device->machine(), <ym2203_state>());
      |
      ^
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      ^
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../../../src/emu/machine.h:73:93: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   73 | #define auto_free(m, v)          pool_free(static_cast<running_machine
&>(m).respool(), v)
      |
      ^
../../../../../../src/emu/emualloc.h:33:54: note: in definition of macro 'pool_free'
   33 | #define pool_free(_pool, v)          (_pool).remove(v)
      |
      ^
../../../../../../src/devices/sound/fm.cpp:2283:3: note: in expansion of macro 'auto_free'
 2283 | auto_free( device->machine(), F2203 );
      |
      ^
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
      ^
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../../../src/devices/sound/fm.cpp: In function 'void ym2203_shutdown(void*)':
../../../../../../src/emu/machine.h:73:93: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   73 | #define auto_free(m, v)          pool_free(static_cast<running_machine
&>(m).respool(), v)
      |
      ^
../../../../../../src/emu/emualloc.h:33:54: note: in definition of macro 'pool_free'
   33 | #define pool_free(_pool, v)          (_pool).remove(v)
      |
      ^
../../../../../../src/devices/sound/fm.cpp:2317:2: note: in expansion of macro 'auto_free'

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2317 | auto_free(FM2203->OPN.ST.device->machine(), FM2203);
      | ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
      from ../../../../src/emu/emu.h:30:
../../../../src/devices/sound/fm.cpp: In function 'void* ym2608_init(device_t*, int, int,
FM_READBYTE, FM_READBYTE, FM_WRITEBYTE, FM_TIMERHANDLER, FM_IRQHANDLER, const
ssg_callbacks*)':
../../../../src/emu/machine.h:70:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
70 | #define auto_alloc_clear(m, t) pool_alloc_clear(static_cast<running_machine
&>(m).respool(), t)
      |
^
../../../../src/emu/emualloc.h:30:54: note: in definition of macro 'pool_alloc_clear'
30 | #define pool_alloc_clear(_pool, _type)
(_pool).add_object(make_unique_clear _type .release())
      |
^~~~~~
../../../../src/devices/sound/fm.cpp:2944:10: note: in expansion of macro
'auto_alloc_clear'
2944 | F2608 = auto_alloc_clear(device->machine(), <ym2608_state>());
      |
^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
      from ../../../../src/emu/emu.h:30:
../../../../src/emu/machine.h:73:93: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
73 | #define auto_free(m, v) pool_free(static_cast<running_machine
&>(m).respool(), v)
      |
^
../../../../src/emu/emualloc.h:33:54: note: in definition of macro 'pool_free'
33 | #define pool_free(_pool, v)
(_pool).remove(v)
      |
^~~~~~
../../../../src/devices/sound/fm.cpp:2948:3: note: in expansion of macro 'auto_free'
2948 | auto_free(device->machine(), F2608);
      |
^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
      from ../../../../src/emu/emu.h:30:
../../../../src/devices/sound/fm.cpp: In function 'void ym2608_shutdown(void*)':
../../../../src/emu/machine.h:73:93: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
73 | #define auto_free(m, v) pool_free(static_cast<running_machine
&>(m).respool(), v)
      |
^
../../../../src/emu/emualloc.h:33:54: note: in definition of macro 'pool_free'
33 | #define pool_free(_pool, v)
(_pool).remove(v)
      |
^~~~~~
../../../../src/devices/sound/fm.cpp:3003:2: note: in expansion of macro 'auto_free'
3003 | auto_free(F2608->OPN.ST.device->machine(), F2608);
      |
^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
      from ../../../../src/emu/emu.h:30:

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../../../../../../src/devices/sound/fm.cpp: In function 'void* ym2610_init(device_t*, int, int,
FM_READBYTE, FM_READBYTE, FM_TIMERHANDLER, FM_IRQHANDLER, const ssg_callbacks)':
../../../../../../../src/emu/machine.h:70:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   70 | #define auto_alloc_clear(m, t)          pool_alloc_clear(static_cast<running_machine
&>(m).respool(), t)
      |
^
../../../../../../src/emu/emualloc.h:30:54: note: in definition of macro 'pool_alloc_clear'
   30 | #define pool_alloc_clear(_pool, _type)
      | (#pool).add_object(make_unique_clear _type .release())
      |
../../../../../../src/devices/sound/fm.cpp:3615:10: note: in expansion of macro
'auto_alloc_clear'
 3615 | F2610 = auto_alloc_clear(device->machine(), <ym2610_state>());
      |          ^~~~~~
In file included from ../../../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
  169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
In file included from ../../../../../../../../src/emu/emucore.h:39,
from ../../../../../../../../src/emu/emu.h:30:
../../../../../../src/emu/machine.h:73:93: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   73 | #define auto_free(m, v)                pool_free(static_cast<running_machine
&>(m).respool(), v)
      |
^
../../../../../../src/emu/emualloc.h:33:54: note: in definition of macro 'pool_free'
   33 | #define pool_free(_pool, v)            (_pool).remove(v)
      |
../../../../../../src/devices/sound/fm.cpp:3619:3: note: in expansion of macro 'auto_free'
 3619 |     auto_free(device->machine(), F2610);
      |     ^~~~~~
In file included from ../../../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
  169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
In file included from ../../../../../../../../src/emu/emucore.h:39,
from ../../../../../../../../src/emu/emu.h:30:
../../../../../../src/devices/sound/fm.cpp: In function 'void ym2610_shutdown(void*)':
../../../../../../src/emu/machine.h:73:93: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   73 | #define auto_free(m, v)                pool_free(static_cast<running_machine
&>(m).respool(), v)
      |
^
../../../../../../src/emu/emualloc.h:33:54: note: in definition of macro 'pool_free'
   33 | #define pool_free(_pool, v)            (_pool).remove(v)
      |
../../../../../../src/devices/sound/fm.cpp:3666:2: note: in expansion of macro 'auto_free'
 3666 |     auto_free(F2610->OPN.ST.device->machine(), F2610);
      |     ^~~~~~
In file included from ../../../../../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here
  169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
Compiling src/devices/sound/fm2612.cpp...
In file included from ../../../../../../../../src/emu/emucore.h:39,
from ../../../../../../../../src/emu/emu.h:30:
../../../../../../src/devices/sound/fm2612.cpp: In function 'void* ym2612_init(device_t*, int,
int, FM_TIMERHANDLER, FM_IRQHANDLER)':
../../../../../../src/emu/machine.h:70:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   70 | #define auto_alloc_clear(m, t)          pool_alloc_clear(static_cast<running_machine
&>(m).respool(), t)
      |
^
../../../../../../src/emu/emualloc.h:30:54: note: in definition of macro 'pool_alloc_clear'
   30 | #define pool_alloc_clear(_pool, _type)
      | (#pool).add_object(make_unique_clear _type .release())

```



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Compiling src/devices/sound/qsound.cpp...
Compiling src/devices/sound/qsoundhle.cpp...
Compiling src/devices/sound/rf5c400.cpp...
Compiling src/devices/sound/rf5c68.cpp...
Compiling src/devices/sound/rolandpcm.cpp...
Compiling src/devices/sound/rp2c33_snd.cpp...
Compiling src/devices/sound/s14001a.cpp...
Compiling src/devices/sound/s_dsp.cpp...
Compiling src/devices/sound/saa1099.cpp...
Compiling src/devices/sound/samples.cpp...
Compiling src/devices/sound/sb0400.cpp...
Compiling src/devices/sound/scsp.cpp...
Compiling src/devices/sound/scspdsp.cpp...
Compiling src/devices/sound/segapcm.cpp...
Compiling src/devices/sound/sid.cpp...
Compiling src/devices/sound/sidenvel.cpp...
Compiling src/devices/sound/sidvoice.cpp...
Compiling src/devices/sound/sn76477.cpp...
Compiling src/devices/sound/sn76496.cpp...
Compiling src/devices/sound/snkwave.cpp...
Compiling src/devices/sound/sp0250.cpp...
Compiling src/devices/sound/sp0256.cpp...
Compiling src/devices/sound/spkrdev.cpp...
Compiling src/devices/sound/spu.cpp...
Compiling src/devices/sound/spu_tables.cpp...
Compiling src/devices/sound/spureverb.cpp...
Compiling src/devices/sound/st0016.cpp...
Compiling src/devices/sound/swp00.cpp...
Compiling src/devices/sound/swp20.cpp...
Compiling src/devices/sound/swp30.cpp...
Compiling src/devices/sound/t6721a.cpp...
Compiling src/devices/sound/t6w28.cpp...
Compiling src/devices/sound/ta7630.cpp...
Compiling src/devices/sound/tc8830f.cpp...
Compiling src/devices/sound/tiaintf.cpp...
Compiling src/devices/sound/tiasound.cpp...
Compiling src/devices/sound/tms3615.cpp...
Compiling src/devices/sound/tms36xx.cpp...
Compiling src/devices/sound/tms5110.cpp...
Compiling src/devices/sound/tms5220.cpp...
Compiling src/devices/sound/tt5665.cpp...
Compiling src/devices/sound/upd1771.cpp...
Compiling src/devices/sound/upd7752.cpp...
Compiling src/devices/sound/upd7759.cpp...
Compiling src/devices/sound/upd934g.cpp...
Compiling src/devices/sound/vgm_visualizer.cpp...
Compiling src/devices/sound/vlm5030.cpp...
Compiling src/devices/sound/votrax.cpp...
Compiling src/devices/sound/vrc6.cpp...
Compiling src/devices/sound/vrender0.cpp...
Compiling src/devices/sound/wave.cpp...
Compiling src/devices/sound/x1_010.cpp...
Compiling src/devices/sound/ym2151.cpp...
Compiling src/devices/sound/ym2413.cpp...
Compiling src/devices/sound/yndeltat.cpp...
Compiling src/devices/sound/ywf262.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                 from ../../../../src/emu/emu.h:30:
../../../../../../src/devices/sound/ywf262.cpp: In function '{anonymous}::OPL3*
OPL3Create(device_t*, int, int, int, int)':
../../../../../../src/emu/machine.h:70:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   70 | #define auto_alloc_clear(m, t)          pool_alloc_clear(static_cast<running_machine
&>(m).respool(), t)
      |
      |
^
../../../../../../src/emu/emualloc.h:30:54: note: in definition of macro 'pool_alloc_clear'
   30 | #define pool_alloc_clear(pool, _type)
      | (pool).add_object(make_unique_clear _type .release())
      |
../../../../../../src/devices/sound/ywf262.cpp:2370:9: note: in expansion of macro
'auto_alloc_clear'
 2370 | chip = auto_alloc_clear(device->machine(), <OPL3>());
      |           ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../../src/emu/machine.h:169:82: note: declared here

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169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
|
^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
                from ../../../../src/emu/emu.h:30:
../../../../../src/devices/sound/ymf262.cpp: In function 'void
OPL3Destroy({anonymous}::OPL3*)':
../../../../../src/emu/machine.h:73:93: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   73 | #define auto_free(m, v)                pool_free(static_cast<running_machine
&>(m).respool(), v)
|
^
../../../../../src/emu/emualloc.h:33:54: note: in definition of macro 'pool_free'
   33 | #define pool_free(_pool, v)            (_pool).remove(v)
|                                         ^~~~~~
../../../../../src/devices/sound/ymf262.cpp:2386:2: note: in expansion of macro 'auto_free'
2386 |     auto_free(chip->device->machine(), chip);
|     ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
|
^~~~~~
Compiling src/devices/sound/ymf271.cpp...
Compiling src/devices/sound/ymf278b.cpp...
Compiling src/devices/sound/ymz280b.cpp...
Compiling src/devices/sound/ymz770.cpp...
Compiling src/devices/sound/zsg2.cpp...
Compiling src/devices/video/315_5124.cpp...
Compiling src/devices/video/315_5313.cpp...
Compiling src/devices/video/am8052.cpp...
Compiling src/devices/video/bt431.cpp...
Compiling src/devices/video/bt459.cpp...
Compiling src/devices/video/bt45x.cpp...
Compiling src/devices/video/bt47x.cpp...
Compiling src/devices/video/bufsprite.cpp...
Compiling src/devices/video/catseye.cpp...
Compiling src/devices/video/cdp1861.cpp...
Compiling src/devices/video/cdp1862.cpp...
Compiling src/devices/video/cesblit.cpp...
Compiling src/devices/video/cgapal.cpp...
Compiling src/devices/video/clgd542x.cpp...
Compiling src/devices/video/crt9007.cpp...
Compiling src/devices/video/crt9021.cpp...
Compiling src/devices/video/crt9028.cpp...
Compiling src/devices/video/crt9212.cpp...
Compiling src/devices/video/crtc_ega.cpp...
Compiling src/devices/video/decsfb.cpp...
Compiling src/devices/video/dl1416.cpp...
Compiling src/devices/video/dm9368.cpp...
Compiling src/devices/video/dp8350.cpp...
Compiling src/devices/video/dp8510.cpp...
Compiling src/devices/video/ef9340_1.cpp...
Compiling src/devices/video/ef9345.cpp...
Compiling src/devices/video/ef9364.cpp...
Compiling src/devices/video/ef9365.cpp...
Compiling src/devices/video/ef9369.cpp...
Compiling src/devices/video/epic12.cpp...
Compiling src/devices/video/epic12_blit0.cpp...
Compiling src/devices/video/epic12_blit1.cpp...
Compiling src/devices/video/epic12_blit2.cpp...
Compiling src/devices/video/epic12_blit3.cpp...
Compiling src/devices/video/epic12_blit4.cpp...
Compiling src/devices/video/epic12_blit5.cpp...
Compiling src/devices/video/epic12_blit6.cpp...
Compiling src/devices/video/epic12_blit7.cpp...
Compiling src/devices/video/epic12_blit8.cpp...
Compiling src/devices/video/fixfreq.cpp...
Compiling src/devices/video/gb_lcd.cpp...
Compiling src/devices/video/gba_lcd.cpp...
Compiling src/devices/video/gf4500.cpp...
Compiling src/devices/video/gf7600gs.cpp...
Compiling src/devices/video/hd44102.cpp...
Compiling src/devices/video/hd44352.cpp...

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Compiling src/devices/video/hd44780.cpp...
Compiling src/devices/video/hd61202.cpp...
Compiling src/devices/video/hd61603.cpp...
Compiling src/devices/video/hd61830.cpp...
Compiling src/devices/video/hd63484.cpp...
Compiling src/devices/video/hd66421.cpp...
Compiling src/devices/video/hlcd0438.cpp...
Compiling src/devices/video/hlcd0488.cpp...
Compiling src/devices/video/hlcd0515.cpp...
Compiling src/devices/video/hlcd0538.cpp...
Compiling src/devices/video/hp1113.cpp...
Compiling src/devices/video/huc6202.cpp...
Compiling src/devices/video/huc6260.cpp...
Compiling src/devices/video/huc6261.cpp...
Compiling src/devices/video/huc6270.cpp...
Compiling src/devices/video/huc6271.cpp...
Compiling src/devices/video/huc6272.cpp...
Compiling src/devices/video/i8244.cpp...
Compiling src/devices/video/i82730.cpp...
Compiling src/devices/video/i8275.cpp...
Compiling src/devices/video/imagetek_i4100.cpp...
Compiling src/devices/video/ims_cvc.cpp...
Compiling src/devices/video/jangou_blitter.cpp...
Compiling src/devices/video/lc7582.cpp...
Compiling src/devices/video/m50458.cpp...
Compiling src/devices/video/mb88303.cpp...
Compiling src/devices/video/mb90082.cpp...
Compiling src/devices/video/mb_vcu.cpp...
Compiling src/devices/video/mc6845.cpp...
Compiling src/devices/video/mc6847.cpp...
Compiling src/devices/video/md4330b.cpp...
Compiling src/devices/video/mga2064w.cpp...
Compiling src/devices/video/mm5445.cpp...
Compiling src/devices/video/mos6566.cpp...
Compiling src/devices/video/msm6222b.cpp...
Compiling src/devices/video/msm6255.cpp...
Compiling src/devices/video/nereid.cpp...
Compiling src/devices/video/nt7534.cpp...
Compiling src/devices/video/pc_vga.cpp...
Compiling src/devices/video/pcd8544.cpp...
Compiling src/devices/video/pcf2100.cpp...
Compiling src/devices/video/polylgcy.cpp...
In file included from ../../../../../../src/emu/emucore.h:39,
                  from ../../../../../../src/emu/emu.h:30:
../../../../../../../../src/devices/video/polylgcy.cpp: In function 'legacy_poly_manager*
poly_alloc(running_machine&, int, size_t, uint8_t)':
../../../../../../../../src/emu/machine.h:70:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   70 | #define auto_alloc_clear(m, t)          pool_alloc_clear(static_cast<running_machine
      &>(m).respool(), t)
      |
      ^
../../../../../../../../src/emu/emualloc.h:30:54: note: in definition of macro 'pool_alloc_clear'
   30 | #define pool_alloc_clear( pool, _type)
      | ( pool).add_object(make_unique_clear _type .release())
      |
../../../../../../../../src/devices/video/polylgcy.cpp:324:9: note: in expansion of macro
'auto_alloc_clear'
   324 | poly = auto_alloc_clear(machine, <legacy_poly_manager>());
      |           ^~~~~~
In file included from ../../../../../../src/emu/emu.h:87:
../../../../../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
      &respool() { return m_respool; }
      |
      ^~~~~~
In file included from ../../../../../../src/emu/emucore.h:39,
                  from ../../../../../../src/emu/emu.h:30:
../../../../../../../../src/devices/video/polylgcy.cpp: In function 'void**
allocate_array(running_machine&, size_t*, uint32_t)':
../../../../../../../../src/emu/machine.h:72:106: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   72 | #define auto_alloc_array_clear(m, t, c)
      pool_alloc_array_clear(static_cast<running_machine &>(m).respool(), t, c)
      |
      ^
../../../../../../../../src/emu/emualloc.h:32:54: note: in definition of macro 'pool_alloc_array_clear'

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    32 | #define pool_alloc_array_clear(_pool, _type, _num)
    (_pool).add_array(make_unique_clear<_type []>(_num).release(), (_num))
    |
    ../../../../../../src/devices/video/polylgcy.cpp:1273:13: note: in expansion of macro
    'auto_alloc_array_clear'
    1273 | ptrarray = auto_alloc_array_clear(machine, void *, itemcount);
    |
    In file included from ../../../../../../src/emu/emu.h:87:
    ../../../../../../src/emu/machine.h:169:82: note: declared here
    169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
    &respool() { return m_respool; }
    |
    ^~~~~~
    In file included from ../../../../../../src/emu/emucore.h:39,
    from ../../../../../../src/emu/emu.h:30:
    ../../../../../../src/emu/machine.h:72:106: warning: 'resource_pool& running_machine::respool()'
    is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
    72 | #define auto_alloc_array_clear(m, t, c)
    pool_alloc_array_clear(static_cast<running_machine &>(m).respool(), t, c)
    |
    ^
    ../../../../../../src/emu/emualloc.h:32:54: note: in definition of macro 'pool_alloc_array_clear'
    32 | #define pool_alloc_array_clear(_pool, _type, _num)
    (_pool).add_array(make_unique_clear<_type []>(_num).release(), (_num))
    |
    ../../../../../../src/devices/video/polylgcy.cpp:1276:16: note: in expansion of macro
    'auto_alloc_array_clear'
    1276 | ptrarray[0] = auto_alloc_array_clear(machine, uint8_t, *itemsize * itemcount);
    |
    In file included from ../../../../../../src/emu/emu.h:87:
    ../../../../../../src/emu/machine.h:169:82: note: declared here
    169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
    &respool() { return m_respool; }
    |
    ^~~~~~
    Compiling src/devices/video/ppu2c0x.cpp...
    Compiling src/devices/video/ppu2c0x_sh6578.cpp...
    Compiling src/devices/video/ppu2c0x_vt.cpp...
    Compiling src/devices/video/ps2gif.cpp...
    Compiling src/devices/video/ps2gs.cpp...
    Compiling src/devices/video/psx.cpp...
    Compiling src/devices/video/pwm.cpp...
    Compiling src/devices/video/ramdac.cpp...
    Compiling src/devices/video/saa5050.cpp...
    Compiling src/devices/video/scn2674.cpp...
    Compiling src/devices/video/sda5708.cpp...
    Compiling src/devices/video/sed1200.cpp...
    Compiling src/devices/video/sed1330.cpp...
    Compiling src/devices/video/sed1500.cpp...
    Compiling src/devices/video/sed1520.cpp...
    Compiling src/devices/video/snes_ppu.cpp...
    Compiling src/devices/video/sprite.cpp...
    Compiling src/devices/video/stvvdpl.cpp...
    In file included from ../../../../../../src/emu/emucore.h:39,
    from ../../../../../../src/emu/emu.h:30:
    ../../../../../../src/devices/video/stvvdpl.cpp: In member function 'int
    saturn_state::stv_vdpl_start()':
    ../../../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
    is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
    71 | #define auto_alloc_array(m, t, c) pool_alloc_array(static_cast<running_machine
    &>(m).respool(), t, c)
    |
    ^
    ../../../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
    31 | #define pool_alloc_array(_pool, _type, _num) (_pool).add_array(new_type
    [_num], (_num))
    |
    ../../../../../../src/devices/video/stvvdpl.cpp:2192:37: note: in expansion of macro
    'auto_alloc_array'
    2192 | m_vdpl.framebuffer_display_lines = auto_alloc_array(machine(), uint16_t *, 512);
    |
    In file included from ../../../../../../src/emu/emu.h:87:
    ../../../../../../src/emu/machine.h:169:82: note: declared here
    169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
    &respool() { return m_respool; }
    |
    ^~~~~~

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In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../src/emu/machine.h:71:100: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   71 | #define auto_alloc_array(m, t, c)      pool_alloc_array(static_cast<running_machine
      |                                     &>(m).respool(), t, c)
      |                                     ^
^
../../../../src/emu/emualloc.h:31:54: note: in definition of macro 'pool_alloc_array'
   31 | #define pool_alloc_array(_pool, _type, _num)      (_pool).add_array(new _type
      |                                                    [ _num], (_num))
      |                                                    ^~~~~
../../../../src/devices/video/stvvdp1.cpp:2193:34: note: in expansion of macro
'auto_alloc_array'
 2193 |     m_vdp1.framebuffer_draw_lines = auto_alloc_array(machine(), uint16_t *, 512);
      |                                     ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
Compiling src/devices/video/stvvdp2.cpp...
Compiling src/devices/video/t6963c.cpp...
Compiling src/devices/video/t6a04.cpp...
Compiling src/devices/video/tea1002.cpp...
Compiling src/devices/video/tlc34076.cpp...
Compiling src/devices/video/tms34061.cpp...
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../src/devices/video/tms34061.cpp: In member function 'virtual void
tms34061_device::device_start()':
../../../../src/emu/machine.h:72:106: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   72 | #define auto_alloc_array_clear(m, t, c)
      |                                     pool_alloc_array_clear(static_cast<running_machine &>(m).respool(), t, c)
      |                                     ^
^
../../../../src/emu/emualloc.h:32:54: note: in definition of macro 'pool_alloc_array_clear'
   32 | #define pool_alloc_array_clear(_pool, _type, _num)
      | (_pool).add_array(make_unique_clear<_type []>(_num).release(), (_num))
      |                                     ^~~~~
../../../../src/devices/video/tms34061.cpp:67:11: note: in expansion of macro
'auto_alloc_array_clear'
   67 |     m_vram = auto_alloc_array_clear(machine(), u8, m_vramsize + 256 * 2);
      |             ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
In file included from ../../../../src/emu/emucore.h:39,
                  from ../../../../src/emu/emu.h:30:
../../../../src/emu/machine.h:72:106: warning: 'resource_pool& running_machine::respool()'
is deprecated: use smart pointers to manage object lifecycles [-Wdeprecated-declarations]
   72 | #define auto_alloc_array_clear(m, t, c)
      |                                     pool_alloc_array_clear(static_cast<running_machine &>(m).respool(), t, c)
      |                                     ^
^
../../../../src/emu/emualloc.h:32:54: note: in definition of macro 'pool_alloc_array_clear'
   32 | #define pool_alloc_array_clear(_pool, _type, _num)
      | (_pool).add_array(make_unique_clear<_type []>(_num).release(), (_num))
      |                                     ^~~~~
../../../../src/devices/video/tms34061.cpp:70:15: note: in expansion of macro
'auto_alloc_array_clear'
   70 |     m_latchram = auto_alloc_array_clear(machine(), u8, m_vramsize + 256 * 2);
      |                 ^~~~~~
In file included from ../../../../src/emu/emu.h:87:
../../../../src/emu/machine.h:169:82: note: declared here
   169 | [[deprecated("use smart pointers to manage object lifecycles")]] resource_pool
&respool() { return m_respool; }
      |
^~~~~~
Compiling src/devices/video/tms3556.cpp...
Compiling src/devices/video/tms9927.cpp...
Compiling src/devices/video/tms9928a.cpp...

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Compiling src/devices/video/topcat.cpp...
Compiling src/devices/video/upd3301.cpp...
Compiling src/devices/video/upd7220.cpp...
Compiling src/devices/video/upd7227.cpp...
Compiling src/devices/video/v9938.cpp...
Compiling src/devices/video/vector.cpp...
Compiling src/devices/video/vic4567.cpp...
Compiling src/devices/video/virge_pci.cpp...
Compiling src/devices/video/voodoo.cpp...
Compiling src/devices/video/voodoo_pci.cpp...
Compiling src/devices/video/vrender0.cpp...
Compiling src/devices/video/zeus2.cpp...
Archiving liboptional.a...
Compiling src/lib/netlist/analog/nld_bjt.cpp...
Compiling src/lib/netlist/analog/nld_mosfet.cpp...
Compiling src/lib/netlist/analog/nld_opamps.cpp...
Compiling src/lib/netlist/analog/nld_switches.cpp...
Compiling src/lib/netlist/analog/nld_fourterm.cpp...
Compiling src/lib/netlist/analog/nld_twoterm.cpp...
Compiling src/lib/netlist/devices/net_lib.cpp...
Compiling src/lib/netlist/devices/nld_2102a.cpp...
Compiling src/lib/netlist/devices/nld_4006.cpp...
Compiling src/lib/netlist/devices/nld_4013.cpp...
Compiling src/lib/netlist/devices/nld_4017.cpp...
Compiling src/lib/netlist/devices/nld_4020.cpp...
Compiling src/lib/netlist/devices/nld_4029.cpp...
Compiling src/lib/netlist/devices/nld_4042.cpp...
Compiling src/lib/netlist/devices/nld_4053.cpp...
Compiling src/lib/netlist/devices/nld_4066.cpp...
Compiling src/lib/netlist/devices/nld_4076.cpp...
Compiling src/lib/netlist/devices/nld_4316.cpp...
Compiling src/lib/netlist/devices/nld_74107.cpp...
Compiling src/lib/netlist/devices/nld_74113.cpp...
Compiling src/lib/netlist/devices/nld_74123.cpp...
Compiling src/lib/netlist/devices/nld_74125.cpp...
Compiling src/lib/netlist/devices/nld_74153.cpp...
Compiling src/lib/netlist/devices/nld_74161.cpp...
Compiling src/lib/netlist/devices/nld_74163.cpp...
Compiling src/lib/netlist/devices/nld_74164.cpp...
Compiling src/lib/netlist/devices/nld_74165.cpp...
Compiling src/lib/netlist/devices/nld_74166.cpp...
Compiling src/lib/netlist/devices/nld_74174.cpp...
Compiling src/lib/netlist/devices/nld_74175.cpp...
Compiling src/lib/netlist/devices/nld_74192.cpp...
Compiling src/lib/netlist/devices/nld_74193.cpp...
Compiling src/lib/netlist/devices/nld_74194.cpp...
Compiling src/lib/netlist/devices/nld_74365.cpp...
Compiling src/lib/netlist/devices/nld_74377.cpp...
Compiling src/lib/netlist/devices/nld_74393.cpp...
Compiling src/lib/netlist/devices/nld_7448.cpp...
Compiling src/lib/netlist/devices/nld_7450.cpp...
Compiling src/lib/netlist/devices/nld_7473.cpp...
Compiling src/lib/netlist/devices/nld_7474.cpp...
Compiling src/lib/netlist/devices/nld_7475.cpp...
Compiling src/lib/netlist/devices/nld_7483.cpp...
Compiling src/lib/netlist/devices/nld_7485.cpp...
Compiling src/lib/netlist/devices/nld_7490.cpp...
Compiling src/lib/netlist/devices/nld_7492.cpp...
Compiling src/lib/netlist/devices/nld_7493.cpp...
Compiling src/lib/netlist/devices/nld_7497.cpp...
Compiling src/lib/netlist/devices/nld_741s629.cpp...
Compiling src/lib/netlist/devices/nld_8277.cpp...
Compiling src/lib/netlist/devices/nld_82s115.cpp...
Compiling src/lib/netlist/devices/nld_82s16.cpp...
Compiling src/lib/netlist/devices/nld_9310.cpp...
Compiling src/lib/netlist/devices/nld_9316.cpp...
Compiling src/lib/netlist/devices/nld_9321.cpp...
Compiling src/lib/netlist/devices/nld_9322.cpp...
Compiling src/lib/netlist/devices/nld_am2847.cpp...
Compiling src/lib/netlist/devices/nld_dm9314.cpp...
Compiling src/lib/netlist/devices/nld_dm9334.cpp...
Compiling src/lib/netlist/devices/nld_legacy.cpp...
Compiling src/lib/netlist/devices/nld_log.cpp...
Compiling src/lib/netlist/devices/nld_mm5837.cpp...
Compiling src/lib/netlist/devices/nld_ne555.cpp...
Compiling src/lib/netlist/devices/nld_r2r_dac.cpp...
Compiling src/lib/netlist/devices/nld_roms.cpp...

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Compiling src/lib/netlist/devices/nld_schmitt.cpp...
Compiling src/lib/netlist/devices/nld_system.cpp...
Compiling src/lib/netlist/devices/nld_tms4800.cpp...
Compiling src/lib/netlist/devices/nld_tristate.cpp...
Compiling src/lib/netlist/devices/nlid_proxy.cpp...
Compiling src/lib/netlist/devices/nlid_truthtable.cpp...
Compiling src/lib/netlist/generated/nlm_modules_lib.cpp...
Compiling src/lib/netlist/generated/static_solvers.cpp...
Compiling src/lib/netlist/macro/modules/nlmod_ic18038_dip.cpp...
Compiling src/lib/netlist/macro/modules/nlmod_ne556_dip.cpp...
Compiling src/lib/netlist/macro/modules/nlmod_rtest.cpp...
Compiling src/lib/netlist/macro/nlm_base_lib.cpp...
Compiling src/lib/netlist/macro/nlm_cd4xxx_lib.cpp...
Compiling src/lib/netlist/macro/nlm_opamp_lib.cpp...
Compiling src/lib/netlist/macro/nlm_otheric_lib.cpp...
Compiling src/lib/netlist/macro/nlm_roms_lib.cpp...
Compiling src/lib/netlist/macro/nlm_ttl74xx_lib.cpp...
Compiling src/lib/netlist/nl_base.cpp...
Compiling src/lib/netlist/nl_factory.cpp...
Compiling src/lib/netlist/nl_parser.cpp...
Compiling src/lib/netlist/nl_setup.cpp...
Compiling src/lib/netlist/plib/pdynlib.cpp...
Compiling src/lib/netlist/plib/pexception.cpp...
Compiling src/lib/netlist/plib/pfmtlog.cpp...
Compiling src/lib/netlist/plib/pfunction.cpp...
Compiling src/lib/netlist/plib/pmain.cpp...
Compiling src/lib/netlist/plib/poptions.cpp...
Compiling src/lib/netlist/plib/ppreprocessor.cpp...
Compiling src/lib/netlist/plib/pstring.cpp...
Compiling src/lib/netlist/plib/ptokenizer.cpp...
Compiling src/lib/netlist/plib/putil.cpp...
Compiling src/lib/netlist/solver/nld_matrix_solver.cpp...
Compiling src/lib/netlist/solver/nld_solver.cpp...
Compiling src/lib/netlist/tools/nl_convert.cpp...
Archiving libnetlist.a...
Compiling src/lib/util/avhuff.cpp...
Compiling src/lib/util/aviio.cpp...
Compiling src/lib/util/bitmap.cpp...
Compiling src/lib/util/cdrom.cpp...
Compiling src/lib/util/chd.cpp...
Compiling src/lib/util/chdcd.cpp...
Compiling src/lib/util/chdcodec.cpp...
Compiling src/lib/util/corealloc.cpp...
Compiling src/lib/util/corefile.cpp...
Compiling src/lib/util/corestr.cpp...
Compiling src/lib/util/coreutil.cpp...
Compiling src/lib/util/delegate.cpp...
Compiling src/lib/util/disasmintf.cpp...
Compiling src/lib/util/flac.cpp...
Compiling src/lib/util/harddisk.cpp...
Compiling src/lib/util/hash.cpp...
Compiling src/lib/util/hashing.cpp...
Compiling src/lib/util/huffman.cpp...
Compiling src/lib/util/jedparse.cpp...
Compiling src/lib/util/md5.cpp...
Compiling src/lib/util/msdib.cpp...
Compiling src/lib/util/nanosvg.cpp...
Compiling src/lib/util/opresolv.cpp...
Compiling src/lib/util/options.cpp...
Compiling src/lib/util/palette.cpp...
Compiling src/lib/util/path_to_regex.cpp...
Compiling src/lib/util/plaparse.cpp...
Compiling src/lib/util/png.cpp...
Compiling src/lib/util/pool.cpp...
Compiling src/lib/util/strformat.cpp...
Compiling src/lib/util/timeconv.cpp...
Compiling src/lib/util/un7z.cpp...
Compiling src/lib/util/unicode.cpp...
Compiling src/lib/util/unzip.cpp...
Compiling src/lib/util/vbiparse.cpp...
Compiling src/lib/util/vecstream.cpp...
Compiling src/lib/util/wavwrite.cpp...
Compiling src/lib/util/xmlfile.cpp...
Compiling src/lib/util/zippath.cpp...
Archiving libutils.a...
Compiling 3rdparty/softfloat/fsincos.c...
Compiling 3rdparty/softfloat/fyl2x.c...

```

Compiling 3rdparty/softfloat/softfloat.c...
Archiving libsoftfloat.a...
Compiling 3rdparty/softfloat3/source/8086/extF80M_isSignalingNaN.c...
Compiling 3rdparty/softfloat3/source/8086/fl28M_isSignalingNaN.c...
Compiling 3rdparty/softfloat3/source/8086/s_commonNaNToExtF80UI.c...
Compiling 3rdparty/softfloat3/source/8086/s_commonNaNToF128UI.c...
Compiling 3rdparty/softfloat3/source/8086/s_commonNaNToF16UI.c...
Compiling 3rdparty/softfloat3/source/8086/s_commonNaNToF32UI.c...
Compiling 3rdparty/softfloat3/source/8086/s_commonNaNToF64UI.c...
Compiling 3rdparty/softfloat3/source/8086/s_extF80UIToCommonNaN.c...
Compiling 3rdparty/softfloat3/source/8086/s_f128UIToCommonNaN.c...
Compiling 3rdparty/softfloat3/source/8086/s_f32UIToCommonNaN.c...
Compiling 3rdparty/softfloat3/source/8086/s_f64UIToCommonNaN.c...
Compiling 3rdparty/softfloat3/source/8086/s_propagateNaNExtF80UI.c...
Compiling 3rdparty/softfloat3/source/8086/s_propagateNaNF128UI.c...
Compiling 3rdparty/softfloat3/source/8086/s_propagateNaNF16UI.c...
Compiling 3rdparty/softfloat3/source/8086/s_propagateNaNF32UI.c...
Compiling 3rdparty/softfloat3/source/8086/s_propagateNaNF64UI.c...
Compiling 3rdparty/softfloat3/source/8086/softfloat_raiseFlags.c...
Compiling 3rdparty/softfloat3/source/extF80M_add.c...
Compiling 3rdparty/softfloat3/source/extF80M_div.c...
Compiling 3rdparty/softfloat3/source/extF80M_eq.c...
Compiling 3rdparty/softfloat3/source/extF80M_eq_signaling.c...
Compiling 3rdparty/softfloat3/source/extF80M_le.c...
Compiling 3rdparty/softfloat3/source/extF80M_le_quiet.c...
Compiling 3rdparty/softfloat3/source/extF80M_lt.c...
Compiling 3rdparty/softfloat3/source/extF80M_lt_quiet.c...
Compiling 3rdparty/softfloat3/source/extF80M_mul.c...
Compiling 3rdparty/softfloat3/source/extF80M_rem.c...
Compiling 3rdparty/softfloat3/source/extF80M_roundToInt.c...
Compiling 3rdparty/softfloat3/source/extF80M_sqrt.c...
Compiling 3rdparty/softfloat3/source/extF80M_sub.c...
Compiling 3rdparty/softfloat3/source/extF80M_to_f128M.c...
Compiling 3rdparty/softfloat3/source/extF80M_to_f16.c...
Compiling 3rdparty/softfloat3/source/extF80M_to_f32.c...
Compiling 3rdparty/softfloat3/source/extF80M_to_f64.c...
Compiling 3rdparty/softfloat3/source/extF80M_to_i32.c...
Compiling 3rdparty/softfloat3/source/extF80M_to_i32_r_minMag.c...
Compiling 3rdparty/softfloat3/source/extF80M_to_i64.c...
Compiling 3rdparty/softfloat3/source/extF80M_to_i64_r_minMag.c...
Compiling 3rdparty/softfloat3/source/extF80M_to_ui32.c...
Compiling 3rdparty/softfloat3/source/extF80M_to_ui32_r_minMag.c...
Compiling 3rdparty/softfloat3/source/extF80M_to_ui64.c...
Compiling 3rdparty/softfloat3/source/extF80M_to_ui64_r_minMag.c...
Compiling 3rdparty/softfloat3/source/extF80_add.c...
Compiling 3rdparty/softfloat3/source/extF80_div.c...
Compiling 3rdparty/softfloat3/source/extF80_eq.c...
Compiling 3rdparty/softfloat3/source/extF80_eq_signaling.c...
Compiling 3rdparty/softfloat3/source/extF80_isSignalingNaN.c...
Compiling 3rdparty/softfloat3/source/extF80_le.c...
Compiling 3rdparty/softfloat3/source/extF80_le_quiet.c...
Compiling 3rdparty/softfloat3/source/extF80_lt.c...
Compiling 3rdparty/softfloat3/source/extF80_lt_quiet.c...
Compiling 3rdparty/softfloat3/source/extF80_mul.c...
Compiling 3rdparty/softfloat3/source/extF80_rem.c...
Compiling 3rdparty/softfloat3/source/extF80_roundToInt.c...
Compiling 3rdparty/softfloat3/source/extF80_sqrt.c...
Compiling 3rdparty/softfloat3/source/extF80_sub.c...
Compiling 3rdparty/softfloat3/source/extF80_to_f128.c...
Compiling 3rdparty/softfloat3/source/extF80_to_f16.c...
Compiling 3rdparty/softfloat3/source/extF80_to_f32.c...
Compiling 3rdparty/softfloat3/source/extF80_to_f64.c...
Compiling 3rdparty/softfloat3/source/extF80_to_i32.c...
Compiling 3rdparty/softfloat3/source/extF80_to_i32_r_minMag.c...
Compiling 3rdparty/softfloat3/source/extF80_to_i64.c...
Compiling 3rdparty/softfloat3/source/extF80_to_i64_r_minMag.c...
Compiling 3rdparty/softfloat3/source/extF80_to_ui32.c...
Compiling 3rdparty/softfloat3/source/extF80_to_ui32_r_minMag.c...
Compiling 3rdparty/softfloat3/source/extF80_to_ui64.c...
Compiling 3rdparty/softfloat3/source/extF80_to_ui64_r_minMag.c...
Compiling 3rdparty/softfloat3/source/fl28M_add.c...
Compiling 3rdparty/softfloat3/source/fl28M_div.c...
Compiling 3rdparty/softfloat3/source/fl28M_eq.c...
Compiling 3rdparty/softfloat3/source/fl28M_eq_signaling.c...
Compiling 3rdparty/softfloat3/source/fl28M_le.c...
Compiling 3rdparty/softfloat3/source/fl28M_le_quiet.c...
Compiling 3rdparty/softfloat3/source/fl28M_lt.c...


```

Compiling 3rdparty/softfloat3/source/s_approxRecip32_1.c...
Compiling 3rdparty/softfloat3/source/s_approxRecipSqrt32_1.c...
Compiling 3rdparty/softfloat3/source/s_approxRecipSqrt_1Ks.c...
Compiling 3rdparty/softfloat3/source/s_approxRecip_1Ks.c...
Compiling 3rdparty/softfloat3/source/s_countLeadingZeros16.c...
Compiling 3rdparty/softfloat3/source/s_countLeadingZeros32.c...
Compiling 3rdparty/softfloat3/source/s_countLeadingZeros64.c...
Compiling 3rdparty/softfloat3/source/s_countLeadingZeros8.c...
Compiling 3rdparty/softfloat3/source/s_eq128.c...
Compiling 3rdparty/softfloat3/source/s_le128.c...
Compiling 3rdparty/softfloat3/source/s_lt128.c...
Compiling 3rdparty/softfloat3/source/s_mull28By32.c...
Compiling 3rdparty/softfloat3/source/s_mull28To256M.c...
Compiling 3rdparty/softfloat3/source/s_mul64ByShifted32To128.c...
Compiling 3rdparty/softfloat3/source/s_mul64To128.c...
Compiling 3rdparty/softfloat3/source/s_mulAddF128.c...
Compiling 3rdparty/softfloat3/source/s_mulAddF16.c...
Compiling 3rdparty/softfloat3/source/s_mulAddF32.c...
Compiling 3rdparty/softfloat3/source/s_mulAddF64.c...
Compiling 3rdparty/softfloat3/source/s_normRoundPackToExtF80.c...
Compiling 3rdparty/softfloat3/source/s_normRoundPackToF128.c...
Compiling 3rdparty/softfloat3/source/s_normRoundPackToF16.c...
Compiling 3rdparty/softfloat3/source/s_normRoundPackToF32.c...
Compiling 3rdparty/softfloat3/source/s_normRoundPackToF64.c...
Compiling 3rdparty/softfloat3/source/s_normSubnormalExtF80Sig.c...
Compiling 3rdparty/softfloat3/source/s_normSubnormalF128Sig.c...
Compiling 3rdparty/softfloat3/source/s_normSubnormalF16Sig.c...
Compiling 3rdparty/softfloat3/source/s_normSubnormalF32Sig.c...
Compiling 3rdparty/softfloat3/source/s_normSubnormalF64Sig.c...
Compiling 3rdparty/softfloat3/source/s_roundPackToExtF80.c...
Compiling 3rdparty/softfloat3/source/s_roundPackToF128.c...
Compiling 3rdparty/softfloat3/source/s_roundPackToF16.c...
Compiling 3rdparty/softfloat3/source/s_roundPackToF32.c...
Compiling 3rdparty/softfloat3/source/s_roundPackToF64.c...
Compiling 3rdparty/softfloat3/source/s_roundToI32.c...
Compiling 3rdparty/softfloat3/source/s_roundToI64.c...
Compiling 3rdparty/softfloat3/source/s_roundToUI32.c...
Compiling 3rdparty/softfloat3/source/s_roundToUI64.c...
Compiling 3rdparty/softfloat3/source/s_shiftRightJam128.c...
Compiling 3rdparty/softfloat3/source/s_shiftRightJam128Extra.c...
Compiling 3rdparty/softfloat3/source/s_shiftRightJam256M.c...
Compiling 3rdparty/softfloat3/source/s_shiftRightJam32.c...
Compiling 3rdparty/softfloat3/source/s_shiftRightJam64.c...
Compiling 3rdparty/softfloat3/source/s_shiftRightJam64Extra.c...
Compiling 3rdparty/softfloat3/source/s_shortShiftLeft128.c...
Compiling 3rdparty/softfloat3/source/s_shortShiftRight128.c...
Compiling 3rdparty/softfloat3/source/s_shortShiftRightJam128.c...
Compiling 3rdparty/softfloat3/source/s_shortShiftRightJam128Extra.c...
Compiling 3rdparty/softfloat3/source/s_shortShiftRightJam64.c...
Compiling 3rdparty/softfloat3/source/s_shortShiftRightJam64Extra.c...
Compiling 3rdparty/softfloat3/source/s_sub128.c...
Compiling 3rdparty/softfloat3/source/s_sub256M.c...
Compiling 3rdparty/softfloat3/source/s_subMagsExtF80.c...
Compiling 3rdparty/softfloat3/source/s_subMagsF128.c...
Compiling 3rdparty/softfloat3/source/s_subMagsF16.c...
Compiling 3rdparty/softfloat3/source/s_subMagsF32.c...
Compiling 3rdparty/softfloat3/source/s_subMagsF64.c...
Compiling 3rdparty/softfloat3/source/softfloat_state.c...
Compiling 3rdparty/softfloat3/source/ui32_to_extF80.c...
Compiling 3rdparty/softfloat3/source/ui32_to_extF80M.c...
Compiling 3rdparty/softfloat3/source/ui32_to_f128.c...
Compiling 3rdparty/softfloat3/source/ui32_to_f128M.c...
Compiling 3rdparty/softfloat3/source/ui32_to_f16.c...
Compiling 3rdparty/softfloat3/source/ui32_to_f32.c...
Compiling 3rdparty/softfloat3/source/ui32_to_f64.c...
Compiling 3rdparty/softfloat3/source/ui64_to_extF80.c...
Compiling 3rdparty/softfloat3/source/ui64_to_extF80M.c...
Compiling 3rdparty/softfloat3/source/ui64_to_f128.c...
Compiling 3rdparty/softfloat3/source/ui64_to_f128M.c...
Compiling 3rdparty/softfloat3/source/ui64_to_f16.c...
Compiling 3rdparty/softfloat3/source/ui64_to_f32.c...
Compiling 3rdparty/softfloat3/source/ui64_to_f64.c...
Archiving libsoftfloat3.a...
Compiling 3rdparty/wdlfft/fft.c...
Archiving libwdlfft.a...
Compiling 3rdparty/zlib/adler32.c...
Compiling 3rdparty/zlib/compress.c...

```

```

Compiling 3rdparty/zlib/crc32.c...
Compiling 3rdparty/zlib/deflate.c...
Compiling 3rdparty/zlib/inffast.c...
Compiling 3rdparty/zlib/inflate.c...
Compiling 3rdparty/zlib/inftrees.c...
Compiling 3rdparty/zlib/trees.c...
Compiling 3rdparty/zlib/uncompr.c...
Compiling 3rdparty/zlib/zutil.c...
Archiving libzlib.a...
Compiling 3rdparty/utf8proc/utf8proc.c...
Archiving libutf8proc.a...
Compiling 3rdparty/sqlite3/sqlite3.c...
Archiving libsqlite3.a...
Compiling 3rdparty/portaudio/src/common/pa_allocation.c...
Compiling 3rdparty/portaudio/src/common/pa_converters.c...
Compiling 3rdparty/portaudio/src/common/pa_cpuload.c...
Compiling 3rdparty/portaudio/src/common/pa_debugprint.c...
Compiling 3rdparty/portaudio/src/common/pa_dither.c...
Compiling 3rdparty/portaudio/src/common/pa_front.c...
Compiling 3rdparty/portaudio/src/common/pa_process.c...
Compiling 3rdparty/portaudio/src/common/pa_ringbuffer.c...
Compiling 3rdparty/portaudio/src/common/pa_stream.c...
Compiling 3rdparty/portaudio/src/common/pa_trace.c...
Compiling 3rdparty/portaudio/src/hostapi/dsound/pa_win_ds.c...
Compiling 3rdparty/portaudio/src/hostapi/dsound/pa_win_ds_dynlink.c...
Compiling 3rdparty/portaudio/src/hostapi/skeleton/pa_hostapi_skeleton.c...
Compiling 3rdparty/portaudio/src/hostapi/wasapi/pa_win_wasapi.c...
Compiling 3rdparty/portaudio/src/hostapi/wdmks/pa_win_wdmks.c...
Compiling 3rdparty/portaudio/src/hostapi/wmme/pa_win_wmme.c...
Compiling 3rdparty/portaudio/src/os/win/pa_win_cinitialize.c...
Compiling 3rdparty/portaudio/src/os/win/pa_win_hostapis.c...
Compiling 3rdparty/portaudio/src/os/win/pa_win_util.c...
Compiling 3rdparty/portaudio/src/os/win/pa_win_waveformat.c...
Archiving libportaudio.a...
Compiling 3rdparty/portmidi/pm_common/pmutil.c...
Compiling 3rdparty/portmidi/pm_common/portmidi.c...
Compiling 3rdparty/portmidi/pm_win/pmwin.c...
Compiling 3rdparty/portmidi/pm_win/pmwinmm.c...
Compiling 3rdparty/portmidi/porttime/ptwinmm.c...
Archiving libportmidi.a...
Compiling src/osd/modules/file/windir.cpp...
Compiling src/osd/modules/file/winfile.cpp...
Compiling src/osd/modules/file/winpty.cpp...
Compiling src/osd/modules/file/winsocket.cpp...
Compiling src/osd/modules/lib/osdlib_win32.cpp...
Compiling src/osd/modules/osdmodule.cpp...
Compiling src/osd/osdcore.cpp...
Compiling src/osd/osdsync.cpp...
Compiling src/osd/strconv.cpp...
Compiling src/osd/windows/main.cpp...
Compiling src/osd/windows/winutf8.cpp...
Compiling src/osd/windows/winutil.cpp...
Archiving libcore_windows.a...
Compiling src/mame/mame.cpp...
Building driver list...
37816 driver(s) found
Compiling generated/mame/mame/drivlist.cpp...
Compiling generated/version.cpp...
Emitting mamevers.rc...
Compiling resources/scripts/resources/windows/mame/mame.rc...
Linking mame64.exe...

```

```
bruno@BRUNO-MSI MINGW64 ~/mame
```

Compilation terminée et OK !

Apporter les modifications que vous souhaitez faire

Ne pas oublier de quitter mame avant de recompiler, sinon une erreur se produira au moment de la génération du fichier mame64.exe

Dans le fichier **dai.cpp** du répertoire vidéo, j'ai fait cette modification pour adapter les couleurs au vrai DAI :

```
const rgb_t dai_state::s_palette[16] =
{
    { 0x00, 0x00, 0x00 }, // 0 Black
    { 0x3A, 0x81, 0xfd }, // 1 Dark Blue
    { 0xd4, 0x56, 0xe5 }, // 2 Purple Red
    { 0xeA, 0x38, 0x36 }, // 3 Red
    { 0xb6, 0xca, 0x35 }, // 4 Purple Brown
    { 0x57, 0xbd, 0x4f }, // 5 Emerald Green
    { 0xd1, 0x28, 0x4f }, // 6 Kakhi Brown
    { 0xbe, 0x2c, 0xcb }, // 7 Mustard Brown
    { 0xb5, 0xb5, 0xb5 }, // 8 Grey
    { 0x4d, 0x4e, 0xdc }, // 9 Middle Blue
    { 0xe8, 0x98, 0x1B }, // 10 Orange
    { 0xea, 0x70, 0x6f }, // 11 Pink
    { 0x72, 0x82, 0xe1 }, // 12 Light Blue
    { 0x57, 0xe3, 0x78 }, // 13 Light Green
    { 0xd3, 0xe1, 0x32 }, // 14 Light Yellow
    { 0xdb, 0xdb, 0xdb } // 15 White
};
```

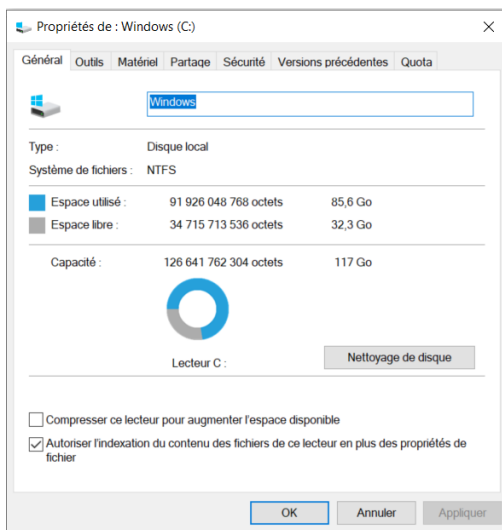
Relancer la compilation : Ce coup ci j'indique -J5 (nombre de cœurs de ma machine +1) pour accélérer la compilation

```
bruno@BRUNO-MSI MINGW64 ~/mame
$ make -j5
```

```
GCC 9.2.0 detected
Compiling src/mame/drivers/dai.cpp...
Compiling src/mame/machine/dai.cpp...
Compiling src/mame/video/dai.cpp...
Archiving libdai.a...
Linking mame64.exe...
```

```
bruno@BRUNO-MSI MINGW64 ~/mame
```

Espace libre après compilation :



Cette petite histoire m'a coûté $43 - 32,3 =$ presque 11 GiO !