GDB Debugger

GDB Server

TCP/IP

ARM7TDMI

Memory Bridge

RAM

Linux System Call Translator

ELF Loader

ARM7TDMI Application
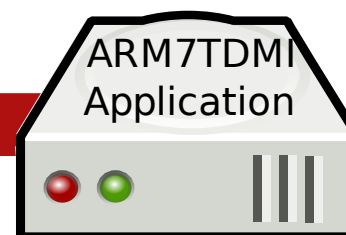
Host OS API

```
DDD: /local/home/gmouchard/linux-2.6.19.2/arch/powerpc/kernel/setup_32.c
File   Edit   View   Program   Commands   Status   Source   Data                    Help
0: init/main.c:505

1: ppc_md
  name              = 0xc0177878 "PowerMac"
  probe             = 0x01a4190 <pmac_probe>
  setup_arch        = 0x01a3c98 <pmac_setup_arch>
  init_early        = 0x01a4038 <pmac_init_early>
  show_cpuinfo      = 0x0017ea0 <pmac_show_cpuinfo>
  show_percpuinfo   = 0
  init_IRQ          = 0x01a374c <pmac_pic_init>
  get_irq           = 0
  pcibios_fixup     = 0x01a5224 <pmac_pcibios_fixup>
  pci_probe_mode    = 0
  restart           = 0xc00183d4 <pmac_restart>
  power_off         = 0xc00183d8 <pmac_power_off>

/* Warning, IO base is not yet inited */
void __init setup_arch(char **cmdline_p)
{
        *cmdline_p = cmd_line;

        /* so udelay does something sensible, assume <= 1000 bogomips */
        loops_per_jiffy = 500000000 / HZ;

        unflatten_device_tree();
        check_for_initrd();

        if (ppc_md.init_early)

setup_arch (cmdline_p=0xc01ebfd8) at arch/powerpc/kernel/setup_32.c:233
/local/home/gmouchard/linux-2.6.19.2/arch/powerpc/kernel/setup_32.c:233:5356:beg:0xc019d400
(gdb) graph display ppc_md
(gdb) step
(gdb) step
(gdb) step
(gdb)
Updating displays...done.
```

Run
Interrupt
Step   Stepi
Next   Nexti
Until Finish
Cont   Kill
Up   Down
Undo   Redo
Edit   Make

```
Crafty v14.3

White(1): White(1): pondering disabled.
White(1): noise level set to 0.
White(1): search time set to 99999.00.
White(1): verbosity set to 5.
White(1): White(1): search depth set to 12.
White(1):

        clearing hash tables

depth   time   score   variation (1)
   1   ###.##    4.14   Qxb6
   1-> ###.##    4.14   Qxb6
   2   ###.##    4.01   Qxb6 e4
   2-> ###.##    4.01   Qxb6 e4
   3   ###.##      ++   Qxb6!!
   3   ###.##    4.32   Qxb6 Rf6 Qd8+ Kh7
   3-> ###.##    4.32   Qxb6 Rf6 Qd8+ Kh7
   4   ###.##    4.22   Qxb6 e4 Qe6 Rf2
   4-> ###.##    4.22   Qxb6 e4 Qe6 Rf2
   5   ###.##    4.15   Qxb6 Rf2 Qd8+ Kh7 Qd3+ e4 Qd6
   5-> ###.##    4.15   Qxb6 Rf2 Qd8+ Kh7 Qd3+ e4 Qd6
   6   ###.##    4.01   Qxb6 Rf2 Qd8+ Kh7 Qd5 Qe2 b4
   6-> ###.##    4.01   Qxb6 Rf2 Qd8+ Kh7 Qd5 Qe2 b4
   7   ###.##      --   Qxb6
   7   ###.##    0.09   Qxb6 Rf1 Qd8+ Kh7 Qd3+ e4 Qxf1 Qxf1
                        b4
```