DDD: /home/fe/tmp/ddd_example.c

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0: a[7][5]

Lookup Find» Break Watch Print Disp* Plot Hide Rotate Set Undisp

1: a

0x00	0x00	0x01	0x01	0x02	0x02	0x03	0x03
0x01	0x01	0x02	0x02	0x03	0x03	0x04	0x04
0x02	0x02	0x03	0x03	0x04	0x04	0x05	0x05
0x03	0x03	0x04	0x04	0x05	0x05	0x06	0x06
0x04	0x04	0x05	0x05	0x06	0x06	0x07	0x07
0x05	0x05	0x06	0x06	0x07	0x07	0x08	0x08
0x06	0x06	0x07	0x07	0xad	0x95	0x02	0xd8
0x1a	0x22	0x1c	0x97	0xaf	0xd5	0xe0	0xf4

2: i 0x06

3: j 0x04

DDD: Set Value

Set value of a[7][5]

0xd5

OK Apply Cancel Help

```
 1 unsigned char i,j;
 2 unsigned char xdata a[8][8];
 3
 4 void main()
 5 {
 6     for( i = 0; i < 8; i++ )
 7     {
 8         for( j = 0; j < 8; j++ )
 9         {
10             a[i][j] = i + j / 2;
11         }
12     }
13     while( 1 )
14         ;
15 }
```

0x04

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

```
Dump of assembler code from 0x00000008 to 0x00000108:
    0x00000008 <main>:          mov     _i,#0x00
    0x0000000b <main+3>:        mov     a,#0x100 - 0x08
    0x0000000d <main+5>:        add     a,_i
    0x0000000f <main+7>:        jc      00102$
    0x00000011 <main+9>:        mov     _j,#0x00
    0x00000014 <main+12>:       mov     a,#0x100 - 0x08
    0x00000016 <main+14>:       add     a,_j
    0x00000018 <main+16>:       jc      00110$
    0x0000001a <main+18>:       mov     a,_i
    0x0000001c <main+20>:       mov     b,#0x08
    0x0000001f <main+23>:       mul     ab
    0x00000020 <main+24>:       add     a,#_a
    0x00000022 <main+26>:       mov     r2,a
    0x00000023 <main+27>:       mov     a,#(_a >> 8)
    0x00000025 <main+29>:       addc    a,b
    0x00000027 <main+31>:       mov     r3,a
```

DDD: Registers

Registers

```
IP  : 0x001A  RegisterBank 0:
R0-7: 0x19 0x1C 0x07 0x00 0x03 0x00 0x67 0x5B
ACC : 0xFC 252 .
B   : 0x00 0 .
DPTR: 0x0033 51
SP  : 0x09
PSW : 0x00 | CY : 0 | AC : 0 | OV : 0 | P : 0
Special Function Registers:
```

Integer registers All registers

Close Help

```
Breakpoint 1, main() at ddd_example.c:10
(sdcdb) cont
Continuing.
Breakpoint 1, main() at ddd_example.c:10
(sdcdb) cont
Continuing.
Breakpoint 1, main() at ddd_example.c:10
(sdcdb)
```

j = 0x04