```c
1    #include <stdio.h>
2
3    int a[] = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};
4
5    void main(int argc, char **argv, char **envp) {
6      int b[10];
7      int i = 4;
8      b[i] = a[i];
9      printf ("%d\n", b[i]);
10   }
11
12
13
14
15   .sect .text; .sect .rom; .sect .data; .sect .bss
16   .extern _a
17   .sect .data
18   _a:
19   .data4  1
20   .data4  2
21   .data4  3
22   .data4  4
23   .data4  5
24   .data4  6
25   .data4  7
26   .data4  8
27   .data4  9
28   .extern _main
29   .data4  10
30   .sect .text
31   _main:
32   push ebp
33   mov ebp,esp
34   sub     esp,40
35   push esi
36   mov esi,4
37   mov edx,_a(esi*4)
38   mov −40(ebp)(esi*4),edx
39   push −40(ebp)(esi*4)
40   push I_1
41   call _printf
42   pop ecx
43   pop ecx
44   pop esi
45   leave
46   ret
47   .sect .rom
48   I_1:
49   .data4  680997
50   .sect .text
```