

```
1 #include<stdio.h>
2 #include<stdlib.h>
3 #include<string.h>
4 #include"tool.h"
5
6
7 typedef unsigned char uint8_t;
8
9
10 typedef struct cpu_t{
11     unsigned int A : 24;
12     unsigned int X : 24;
13     unsigned int L : 24;
14     unsigned int PC : 24;
15     unsigned int SW : 24;
16 }cpu_t;
17
18 void show(void * memory, char * begin, char * end);
19
20 void load(char * target, void * memory, int * program_begin, int * program_end, int
* loaded);
21
22 void run(int * program_begin, int * program_end, void * memory, cpu_t * cpu);
23
24
25
26
27
```