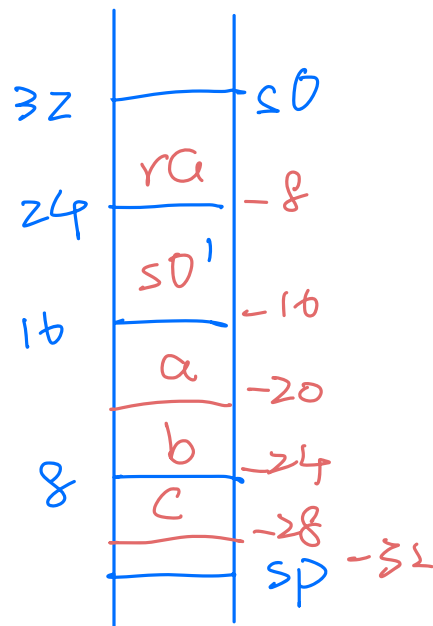


```

1  .LC0:
2      .string "Line 1 - c \347\232\204\345\200\274\346\230\257 %d\n"
3  .LC1:
4      .string "Line 2 - c \347\232\204\345\200\274\346\230\257 %d\n"
5  .LC2:
6      .string "Line 3 - c \347\232\204\345\200\274\346\230\257 %d\n"
7  .LC3:
8      .string "Line 4 - c \347\232\204\345\200\274\346\230\257 %d\n"
9  .LC4:
10     .string "Line 5 - c \347\232\204\345\200\274\346\230\257 %d\n"
11     .LC5:
12     .string "Line 6 - c \347\232\204\345\200\274\346\230\257 %d\n"
13     .LC6:
14     .string "Line 7 - c \347\232\204\345\200\274\346\230\257 %d\n"
15 main: int main?
16     addi    sp,sp,-32
17     sd      ra,24(sp)
18     sd      s0,16(sp)
19     addi    s0,sp,32
20     int a=21
21     li      a5,21
22     sw      a5,-20(s0)
23     int b=10
24     li      a5,10
25     sw      a5,-24(s0)
26     c=a+b
27     加载a? lw      a5,-20(s0)
28     mv      a4,a5
29     加载b lw      a5,-24(s0)
30     addw    a5,a4,a5
31     sw      a5,-28(s0)
32
33     lw      a5,-28(s0)
34     mv      a1,a5 a1 = c
35     a0 ? lui      a5,%hi(.LC0)
36     addi    a0,a5,%lo(.LC0)
37     call    printf
38
39     lw      a5,-20(s0) a4 = a
40     mv      a4,a5
41     lw      a5,-24(s0) a5 =
42     subw    a5,a4,a5
43     sw      a5,-28(s0)
44
45     lw      a5,-28(s0)
46     mv      a1,a5
47     lui      a5,%hi(.LC1)
48     addi    a0,a5,%lo(.LC1)
49     call    printf
50
51     lw      a5,-20(s0)
52     mv      a4,a5
53     lw      a5,-24(s0)

```



```

54      * mulw    a5,a4,a5
55      sw      a5,-28(s0)
56
57      lw       a5,-28(s0)
58      mv       a1,a5
59      lui      a5,%hi(.LC2)
60      addi     a0,a5,%lo(.LC2)
61      call     printf
62
63      lw       a5,-20(s0)
64      mv       a4,a5
65      lw       a5,-24(s0)
66      / divw    a5,a4,a5
67      sw      a5,-28(s0)
68
69      lw       a5,-28(s0)
70      mv       a1,a5
71      lui      a5,%hi(.LC3)
72      addi     a0,a5,%lo(.LC3)
73      call     printf
74
75      lw       a5,-20(s0)
76      mv       a4,a5
77      lw       a5,-24(s0)
78      qo remw   a5,a4,a5
79      sw      a5,-28(s0)
80
81      lw       a5,-28(s0)
82      mv       a1,a5
83      lui      a5,%hi(.LC4)
84      addi     a0,a5,%lo(.LC4)
85      call     printf
86
87      lw       a5,-20(s0)
88      addiw    a4,a5,1
89      sw      a4,-20(s0)
90      sw      a5,-28(s0)
91
92      lw       a5,-28(s0)
93      mv       a1,a5
94      lui      a5,%hi(.LC5)
95      addi     a0,a5,%lo(.LC5)
96      call     printf
97
98      lw       a5,-20(s0)
99      addiw    a4,a5,-1
100     sw       a4,-20(s0)
101     sw       a5,-28(s0)
102
103     lw       a5,-28(s0)
104     mv       a1,a5
105     lui      a5,%hi(.LC6)
106     addi     a0,a5,%lo(.LC6)
107     call     printf
108     li       a5,0

```

$a_4 = a + 1$
 把 a_4 存入内存, a_5 是取自增之前,
 $C = a_5$

109
110
111
112
113
114
115

```
mv    a0,a5  
ld    ra,24(sp)  
ld    s0,16(sp)  
addi  sp,sp,32  
jr    ra
```

返回 main 函数
operation