

Homework 6

共14'

8.2 (2')

The model in Figure 8.8 need to move all entries when pop and push.

The model in Figure 8.9 just just move the pointer, takes less time. (2')

8.8 (6')

每缺一个/多一个扣一分

- a. A F (2')
- b. after PUSH J and after PUSH K (2')
- c. A F M (2')

7.30 (6')

ans:

```
1  BRp SKIP ; BRnp SKIP (a)      2'
2  ADD R5, R5, #1 ;(b)           1'
3  STR R0, R6, #0 ;(c)           2'
4  LD R1, SAVER ;(d)             1'
```

(其实a填 BRnp 严格来说不能算对)

full:

```
1  PUSH ST R1, SAVER
2  LD R1, NEGFULL
3  ADD R1, R6, R1
4  BRp SKIP ; BRnp SKIP (a)
5  LD R6, BASE
6  SKIP ADD R6, R6, #-1
7  LD R1, MINUS5
8  ADD R1, R5, R1
9  BRz END
10 ADD R5, R5, #1 ;(b)
11 END STR R0, R6, #0 ;(c)
12 LD R1, SAVER ;(d)
13 RET
14 NEGFULL .FILL xC005 ; x-3FFB
15 MINUS5 .FILL xFFFB ; #-5
16 BASE .FILL x4000
17 SAVER .BLKW #1
```

