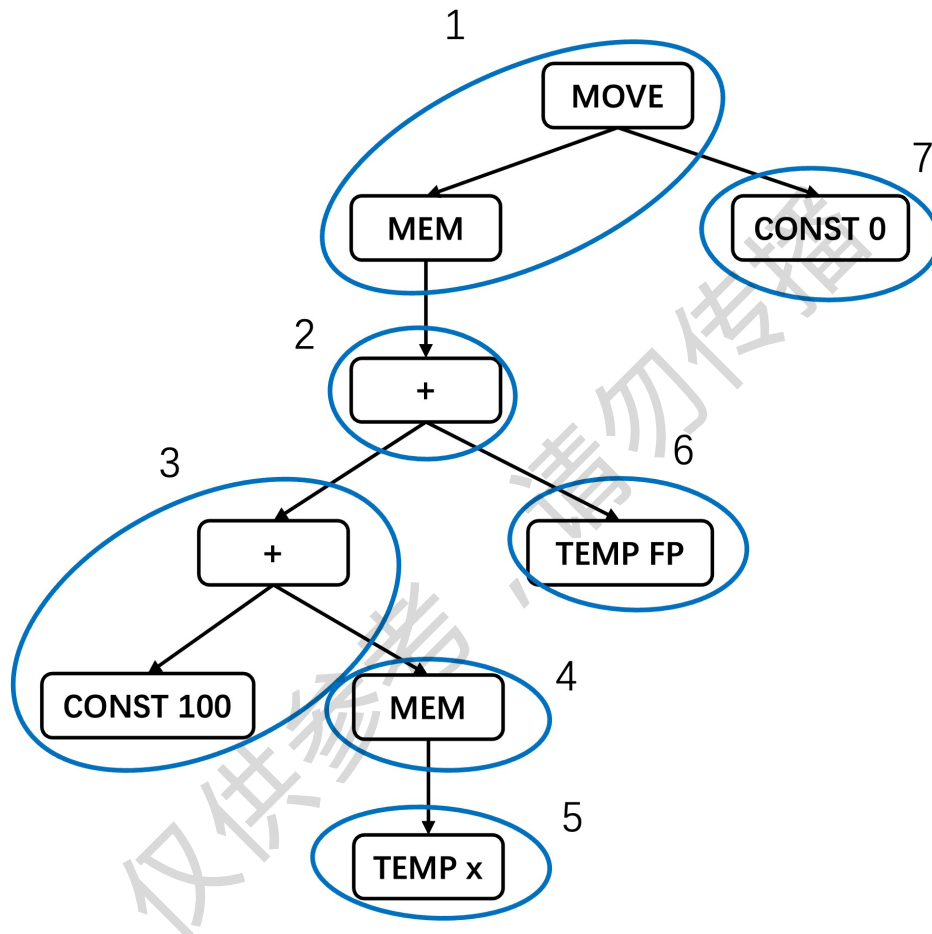# Chapter 9

9.1

a.
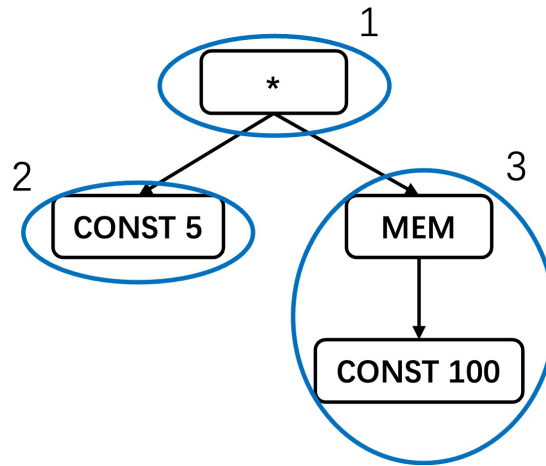


```
4 load r1 <- M[rx + 0]
3 ADDI r1 <- r1 + 100
2 ADD  r1 <- r1 + FP
7 ADDI r2 <- r0 + 0
1 STORE M[r1+0] <- r2
```

b.

```
2 ADDI r1 <- r0 + 5
3 LOAD r2 <- M[r0 + 100]
1 MUL r1 <- r1 * r2
```