

## 05-19 编译原理作业 12

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2021 年 5 月 19 日

### 8.2.2

1)

```
1 LD    R1, i
2 MUL   R1, R1, #4
3 LD    R2, a(R1)
4 ST     x,  R2
5 LD    R3, j
6 MUL   R3, R3, #4
7 LD    R4, b(R3)
8 ST     y,  R4
9 ST     a(R1), R4
10 ST    b(R3), R2
```

2)

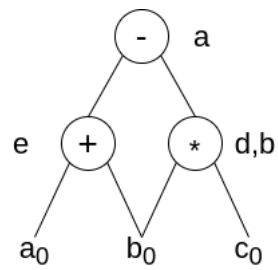
```
1 LD    R1, i
2 MUL   R1, R1, #4
3 LD    R2, a(R1)
4 ST     x,  R2
5 LD    R3, b(R1)
6 ST     y,  R1
7 MUL   R1, R2, R1
8 ST     z,  R1
```

## 8.2.4

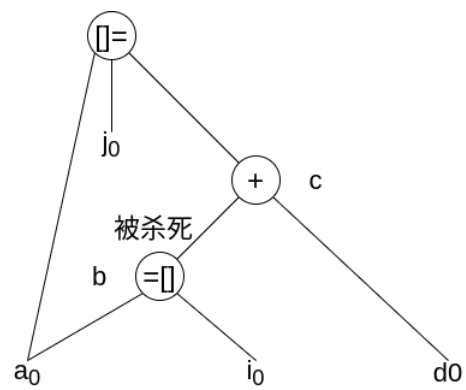
1	LD	R1, x
2	LD	R2, y
3	SUB	R1, R1, R2
4	BLTZ	R1, L1
5	LD	R1, #0
6	ST	z, R1
7	BR	L2
8	L1: LD	R1, #1
9	ST	z, R1

## 8.5.1

1)



2)



### 8.6.1

```
1 t1 = a
2 t2 = b * c
3 t3 = t1 + t2
4 x = t3
```