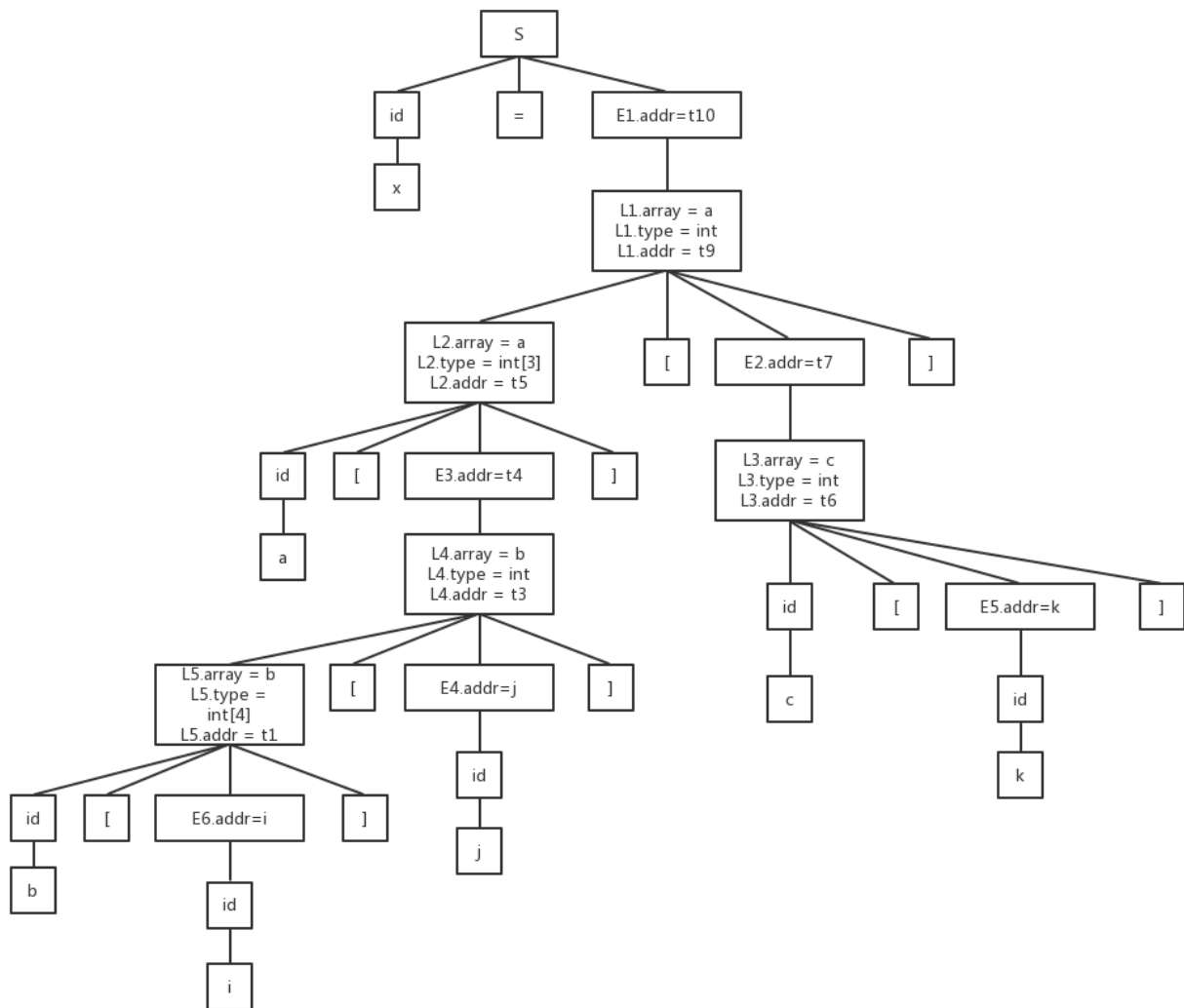


# 编译原理 作业8

151220129 计科 吴政亿 [nju\\_wzy@163.com](mailto:nju_wzy@163.com)

## 6.4.3



中间代码:

```

t1 = i * 16
t2 = j * 4
t3 = t1 + t2
t4 = b[t3]
t5 = t4 * 12
t6 = k * 4
t7 = c[t6]
t8 = t7 * 4
t9 = t5 + t8
t10 = a[t9]
x = t10

```

## 6.4.8

---

```

A[3,4,5] = [(3-1)*5*6 + (4-0)*6 +(5-5)] = 672
A[1,2,7] = [(1-1)*5*6 + (2-0)*6 +(7-5)] = 112
A[4,3,9] = [(4-1)*5*6 + (3-0)*6 +(9-5)] = 896

```

## 6.6.1

---

```

S -> for (S1; B; S2) S3      S1.next = newlabel()
                             B.true = newlabel()
                             B.false = S.next
                             S2.next = S1.next
                             S3.next = newlabel()
                             S.code = S1.code
                             || lable(S1.next) || B.code
                             || lable(B.true) || S3.code
                             || label(S3.next) || S2.code
                             || gen('goto', S1.next)

```