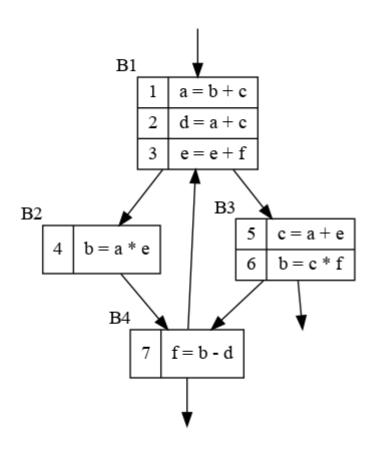
作业 16

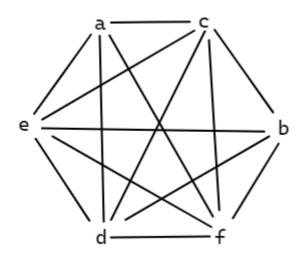
2020K8009929017 侯昱帆

练习 8.4.1: 为流图中的程序计算

- 1. 寄存器冲突图
- 2. 如果要避免寄存器溢出,至少需要多少寄存器?为什么?



答:



要避免寄存器溢出,至少需要5个寄存器

练习 8.4.2: 为下面的每个 C 语言赋值语句生成三地址代码

```
1. x = a - b + c * e;
2. a[b[i]] = b[c[i]];
```

3.
$$*p++=++*q$$

答:

```
t1 = c * e

t2 = a

t3 = t2 - b

x = t3 + t1
```

```
t1 = i * sizeof(*c)
t2 = c[t1]
t3 = t2 * sizeof(*b)
t4 = b[t3]
t5 = i * sizeof(*b)
t6 = b[t5]
t7 = t6 * sizeof(*a)
a[t7] = t4
```

```
t1 = *q

t2 = t1 + 1

*q = t2

*p = t2

p = p + sizeof(*p)
```