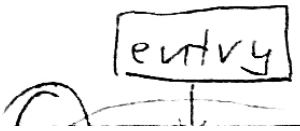
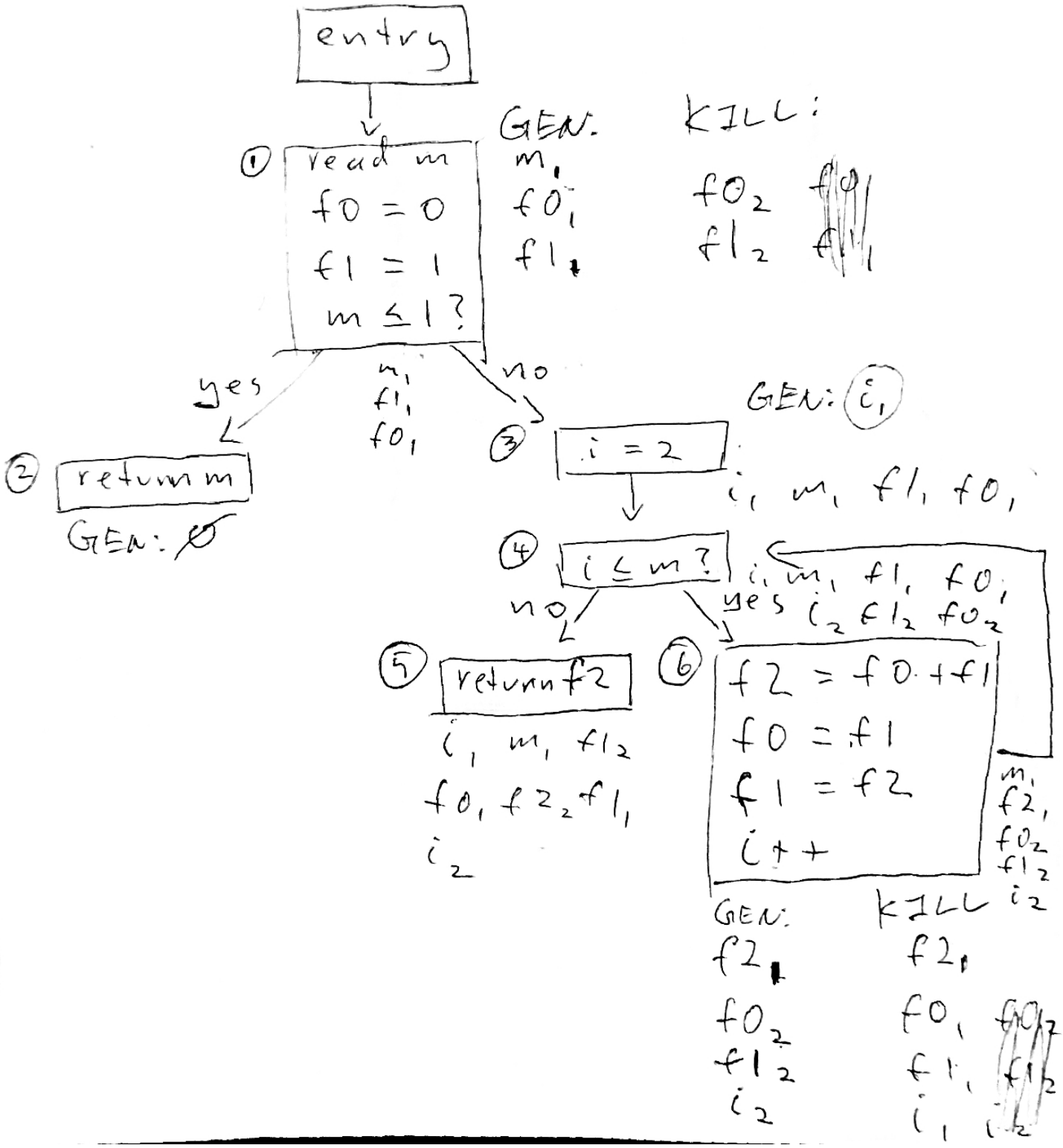
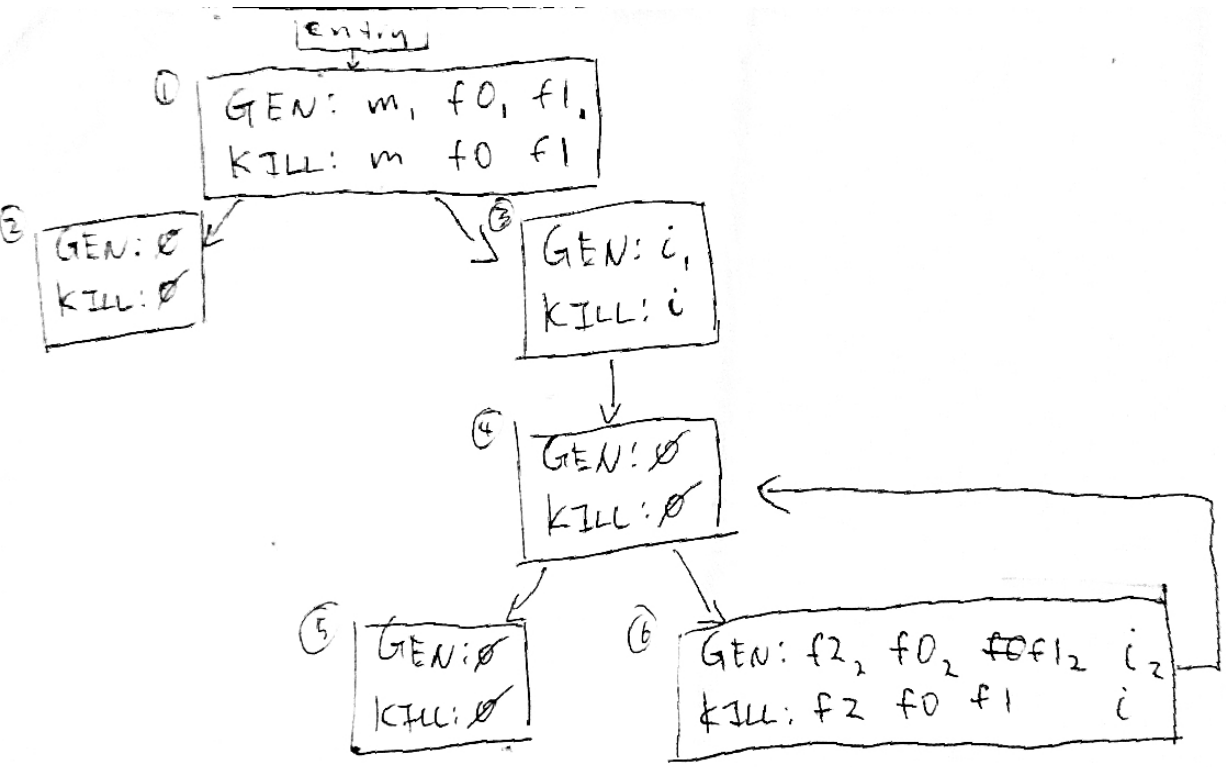
```
int fib(int m) {
    int f0=0, f1=1, f2, i;
    if (m <= 1) {
        return m;
    } else {
        for (i=2; i<=m; i++) {
            f2 = f0 + f1
            f0 = f1;
            f1 = f2;
        }
        return f2;
    }
}
```

i = 2;
while (i <= m) {

i++;
}




entry
① read m
f0 = 0
f1 = 1
m ≤ 1 ?
GEN.
m,
f0,
f1,
KILL:
f0₂
f1₂
yes
no
m,
f1,
f0,
② return m
GEN: ∅
③ i = 2
GEN: i,
i, m, f1, f0,
④ i ≤ m ?
i, m, f1, f0,
yes i₂ f1₂ f0₂
no
⑤ return f2
i, m, f1₂
f0, f2, f1,
i₂
⑥ f2 = f0 + f1
f0 = f1
f1 = f2
i++
m,
f2,
f0₂
f1₂
i₂
GEN:
f2,
f0₂
f1₂
i₂
KILL
f2,
f0,
f1,
i,



$$REACH_{out}(B) = GEN(B) \cup (REACH_{in}(B) - KILL(B))$$

$$REACH_{in}(B) = \bigcup_{j \in Pred(B)} REACH_{out}(j) \qquad REACH_{out}(j) = REACH_{out}(i) \cup \ldots \text{ for } i \in Pred(B)$$