Assignment 2 Lab 6 - ICG

1) input1.c

2) Input2.c

```
≡ icg_quad.txt ×
ICG > ≡ icg_quad.txt
      t1 a > b
      if t1 goto L1
      goto L2
      Label L1 :
      t2 = a + 1
      a = t2
      t3 = b - 1
      b = t3
      Label L2:
      t4 = a - 1
 11
      a = t4
      t5 = b - 1
      b = t5
      Label L3:
```

3) input3.c

```
t1 a > b
if t1 goto L1
goto L2
Label L1 :
t2 = a + 1
a = t2
t3 = b - 1
b = t3
Label L2:
t4 = a - 1
a = t4
t5 = b - 1
b = t5
t6 b < 0
if t6 goto L3
goto L4
Label L3:
t7 = b + 1
b = t7
Label L4:
b = 0
Label L5 :
Label L6:
```

4) input4.c

5) input5.c

```
≡ icg_quad.txt × C inpu
ICG > ≡ icg_quad.txt
     Label L1 :
     t1 = a + 1
      a = t1
      t2 c > d
      if t2 goto L2
  5
      goto L3
      Label L2:
      t3 = c + 1
      c = t3
      Label L3:
      t4 a > b
 11
      if t4 goto L1
 12
 13
```