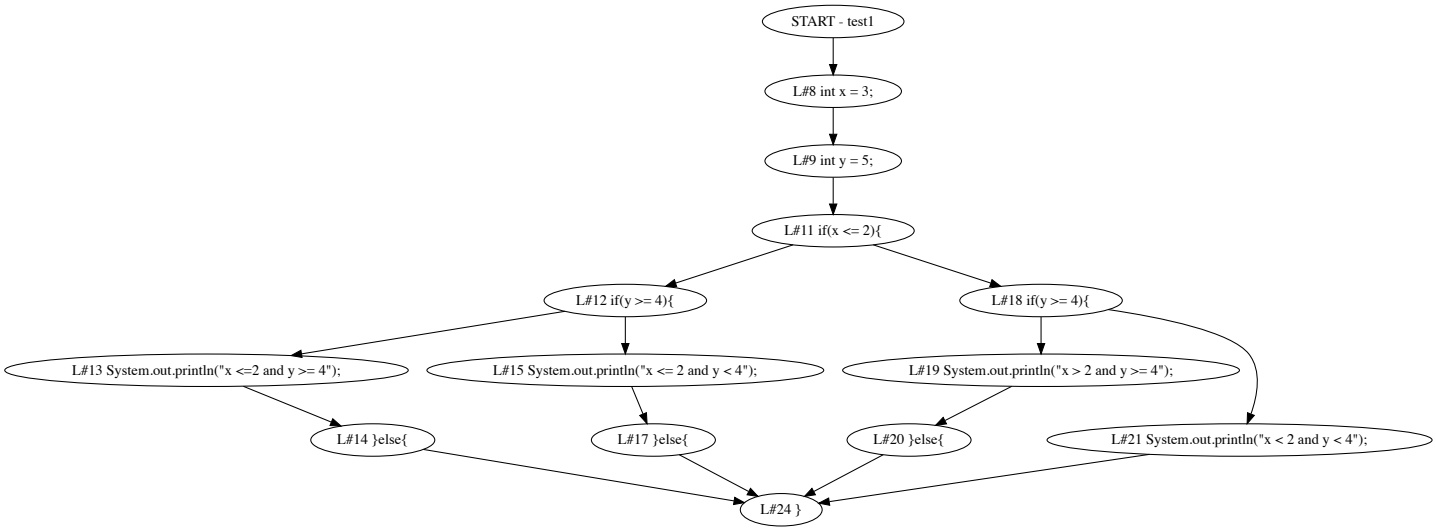
1-test1

1.1 Input

```
public void test1(){
        int x = 3;
        int y = 5;

        if(x <= 2){
            if(y >= 4){
                System.out.println("x <=2 and y >= 4");
            }else{
                System.out.println("x <= 2 and y < 4");
            }
        }else{
            if(y >= 4){
                System.out.println("x > 2 and y >= 4");
            }else{
                System.out.println("x < 2 and y < 4");
            }
        }
    }
```

1.2 Output

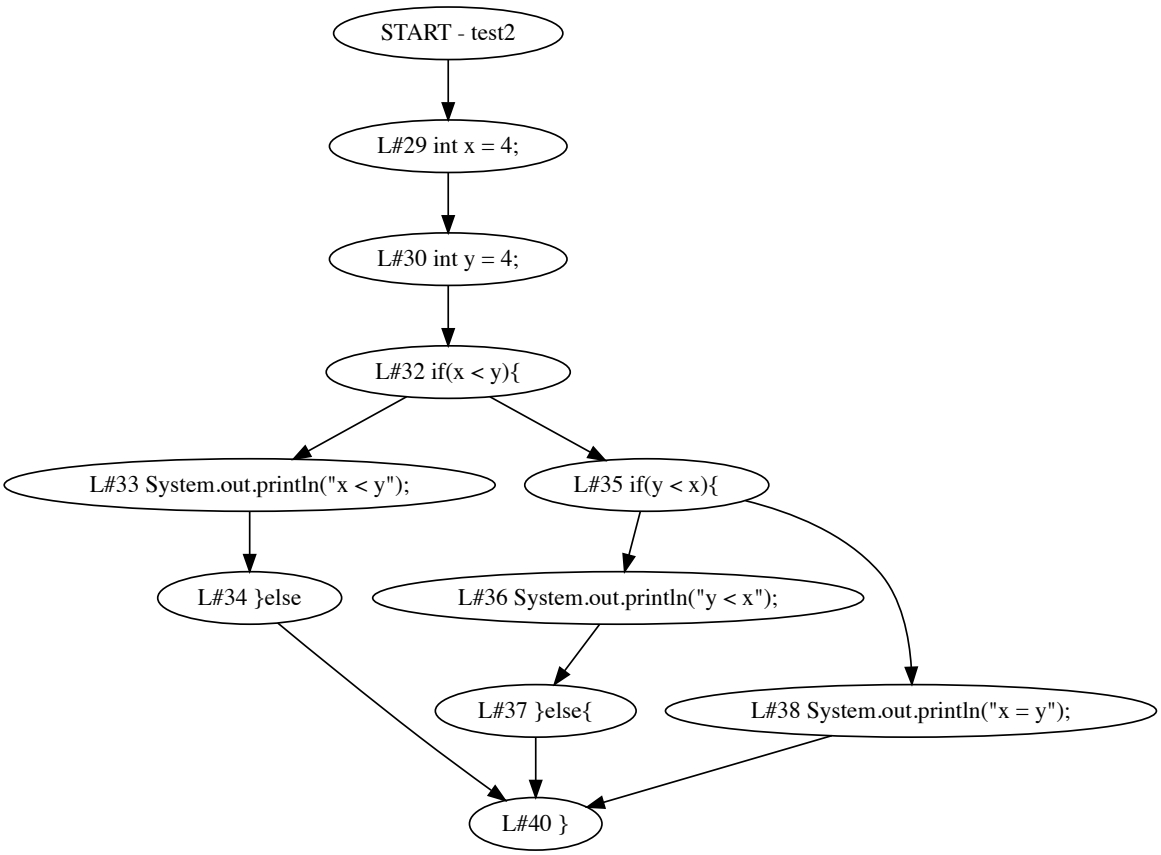


2-test2

2.1 Input

```
public void test2(){
        int x = 4;
        int y = 4;

        if(x < y){
            System.out.println("x < y");
        }else
        if(y < x){
            System.out.println("y < x");
        }else{
            System.out.println("x = y");
        }
    }
```

2.2 Output

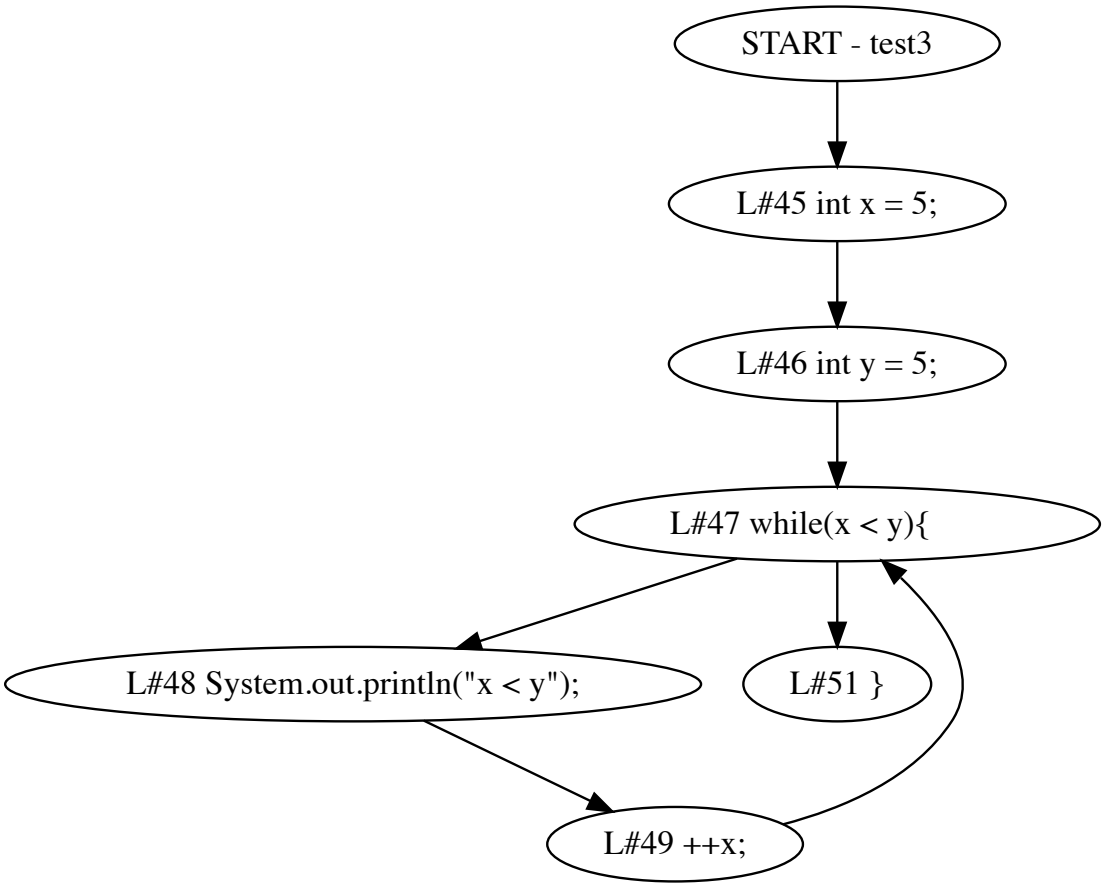


3-test3

3.1 Input

```
public void test3(){
        int x = 5;
        int y = 5;
        while(x < y){
            System.out.println("x < y");
            ++x;
        }
    }
```

3.2 Output

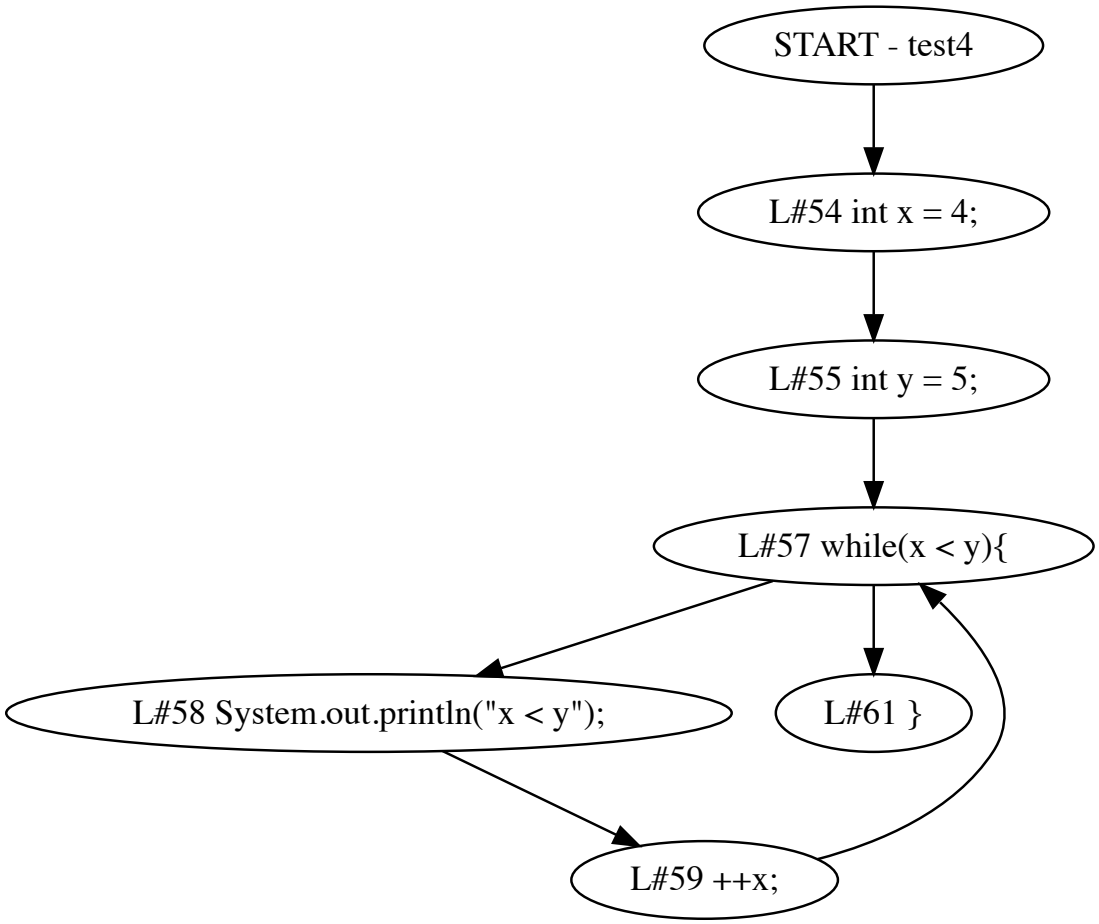


4-test4

4.1 Input

```
public void test4(){
        int x = 4;
        int y = 5;

        while(x < y){
            System.out.println("x < y");
            ++x;
        }
    }
```

4.2 Output

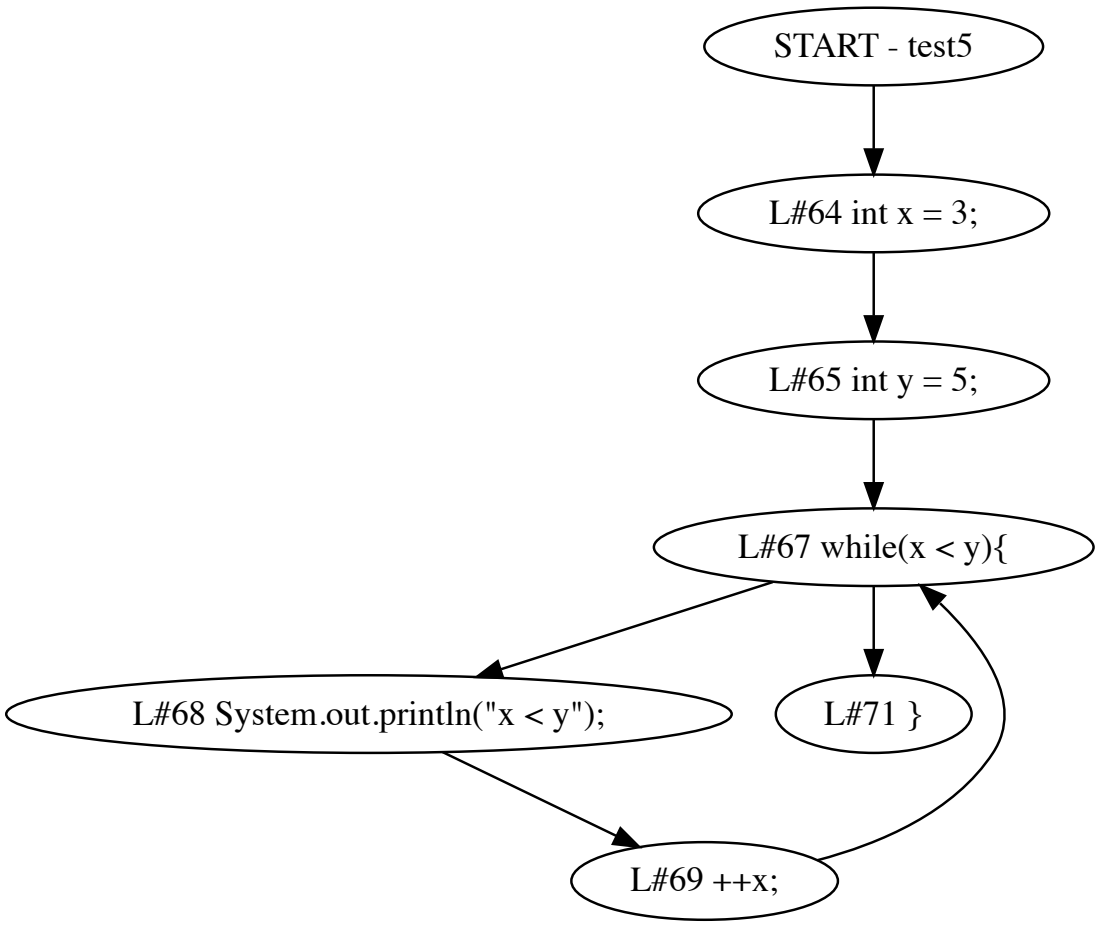


5-test5

5.1 Input

```
public void test5(){
        int x = 3;
        int y = 5;

        while(x < y){
            System.out.println("x < y");
            ++x;
        }
    }
```

5.2 Output

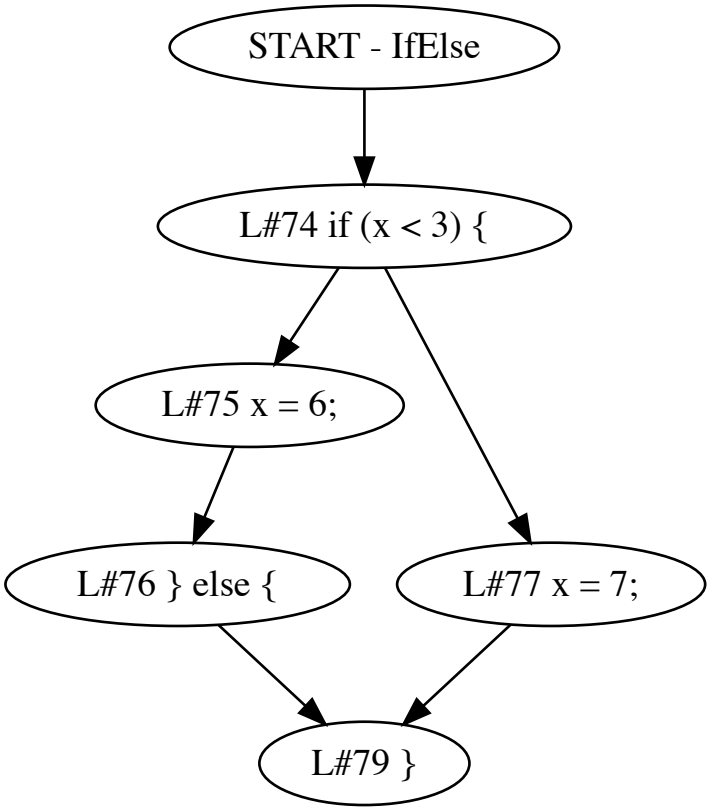


6-IfElse

6.1 Input

```
public void IfElse(int x) {
        if (x < 3) {
            x = 6;
        } else {
            x = 7;
        }
    }
```

6.2 Output

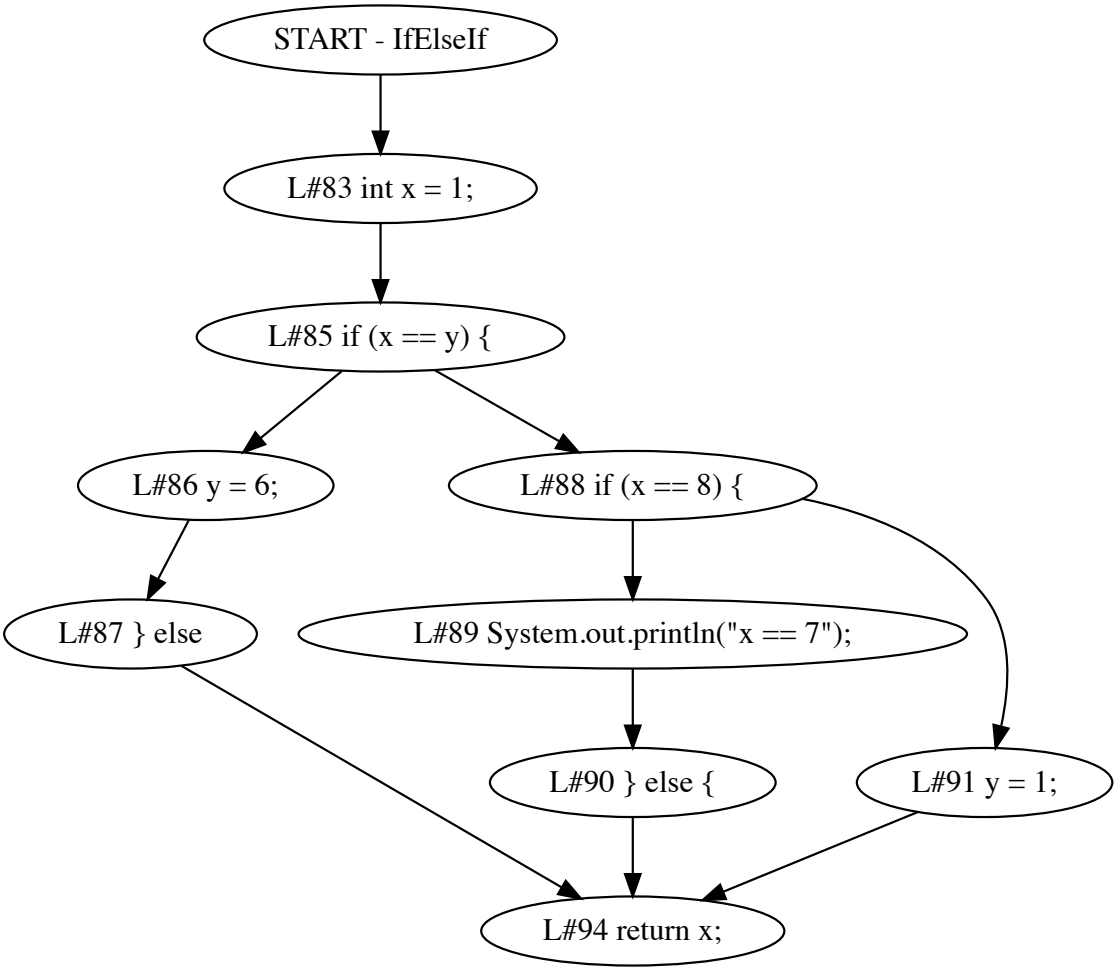


7-IfElseIf

7.1 Input

```
public int IfElseIf(int y) {

        int x = 1;

        if (x == y) {
            y = 6;
        } else
        if (x == 8) {
            System.out.println("x == 7");
        } else {
            y = 1;
        }

        return x;
    }
```

7.2 Output

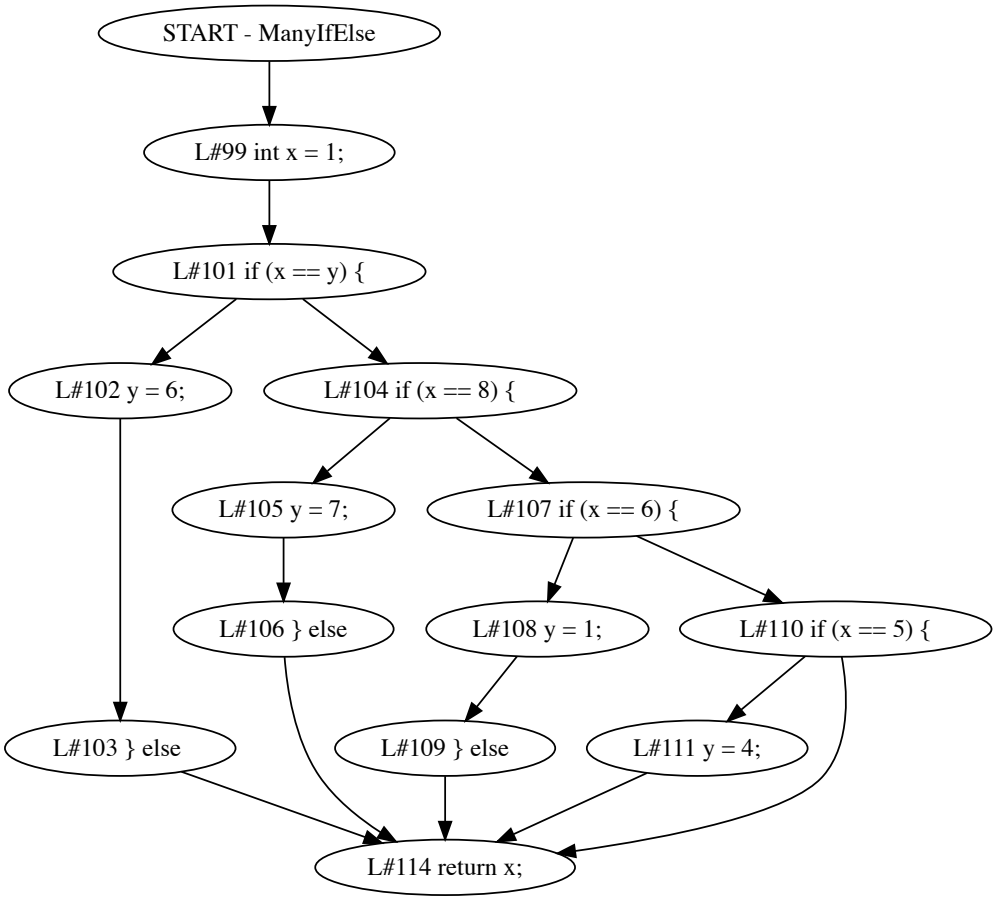


8-ManyIfElse

8.1 Input

```
public int ManyIfElse(int y) {

    int x = 1;

    if (x == y) {
        y = 6;
    } else
    if (x == 8) {
        y = 7;
    } else
    if (x == 6) {
        y = 1;
    } else
    if (x == 5) {
        y = 4;
    }

    return x;
}
```

8.2 Output

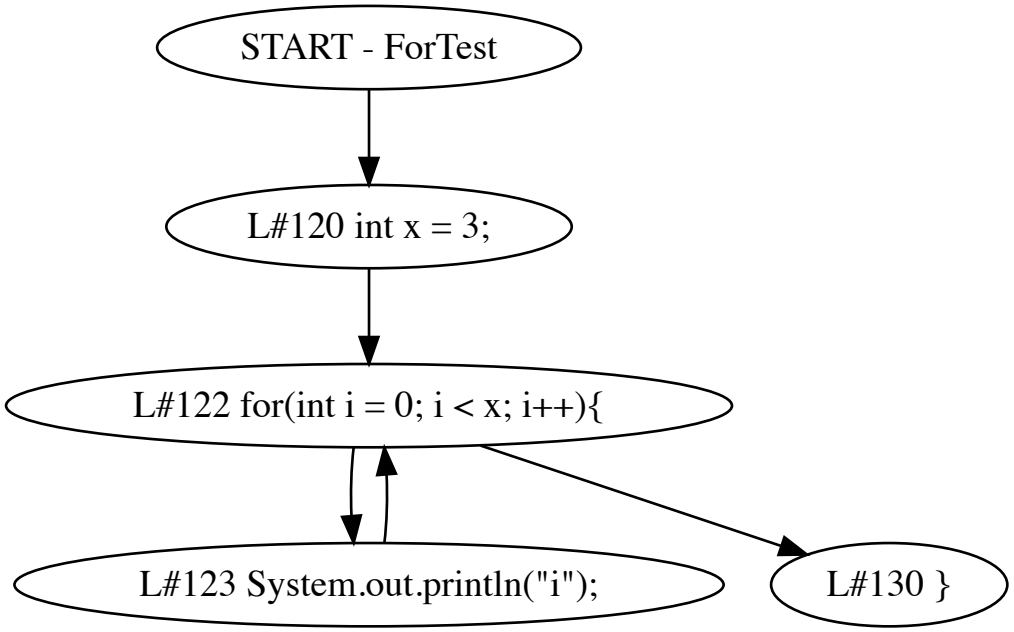


9-ForTest

9.1 Input

```
public void ForTest(){

        int x = 3;

        for(int i = 0; i < x; i++){
            System.out.println("i");

        }

        if(x > 11) {

        }
    }
```

9.2 Output



10-Complex

10.1 Input

```
public void Complex() {
      int x= 2;
      int y= 3;

      for(int a = 1 , b = 3; a < 4 && b < 4; a++, b++) {
         x++;
         y++;
      }

      while(x > 0 || y < 0) {
         x--;
      }
   }
```

10.2 Output