

17-355/17-655/17-819: Program Analysis

In-Class Exercises

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1. Draw the CFG, and apply interval analysis (at least a few iterations), for the program below. What happens?

```
1: x := 0
2: if x = y goto 5
3: x := x + 1
4: goto 2
5: y := 0
```

2. Do the same as question (1), using the widening operator, as discussed.