

# Reaching definitions

0: max = 1000

Which definition(s) of max reach line 3?

1: x = 0

2: y = 1

3: if (y > **max**) goto 8

4: z = x + y

5: x = y

6: y = z

7: goto 3

8: write(y)

# Reaching definitions

0: max = 1000

Which definition(s) of max reach line 3?

1: x = 0

A: max = max + 500

2: y = 1

3: if (y > **max**) goto 8

4: z = x + y

5: x = y

6: y = z

7: goto 3

8: write(y)

# Reaching definitions

B: if (...) goto D

Which definition(s) of max reach line 3?

0: max = 1000

C: goto 1

D: max = 200

1: x = 0

2: y = 1

3: if (y > **max**) goto 8

4: z = x + y

5: x = y

6: y = z

7: goto 3

8: write(y)