

Thursday, October 3

Name \_\_\_\_\_

Email \_\_\_\_\_

6.035 Fall 2019

Miniquiz #18

5 minutes

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For each snippet of decaf code, draw the control flow graph on the right, using short circuit evaluation.

1.

```
if (i > 0 && j > i) {  
    j = i;  
} else {  
    i = j;  
}
```

2.

```
while (i >= 0 && i < N) {  
    if (c < N) {  
        A[i] = c;  
    }  
    i++;  
}
```

3.

```
if ((a < 0 && b != 5) || c > 0 || (d >= 3 && e != 0)) {  
    a += 1;  
}
```