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

Lecture: Symbolic Execution

In-Class Exercises March 28, 2019

Andrew ID:	
------------	--

1. Symbolically execute the following program, assuming that the input y maps to α and z maps to β . Give the possible symbolic results, along with the guard for each result.

int foo(int y, int z)

```
int w := y;
if (y > 0)
    w = y * 2;
if (w < 2)
    z = z + 1;</pre>
```

return w + z