

Entry

X

```
graph TD; Entry --> X; X --> Y; Y --> Z; Z --> Exit; Z --> X;
```

$\{ a := \phi [0, \text{Entry}] [a', Z]$
 $i := \phi [0, \text{Entry}] [i', Z] \}$
if [not ($a < N$)] ***goto*** Exit
 $a' := a + 2$

Y

$c := i + 3$

Z

$i' := a' + c$

Exit