Entry

X { $a := \phi$ [0,Entry] [a',Z]
$i := \phi$ [0,Entry] [i',Z] }
$a' := a + 2$

Y $c := i + 3$

Z $i' := a' + c$

S_{loop}

{ $a := \phi$ [0,Entry] [a',Z]
$i := \phi$ [0,Entry] [i',Z] }

Exit

$S_{preExit}$

Execute S_{loop} k times followed by
$S_{preExit}$