

Entry

$i = 0$
 $b = i + 3$
 $i' = i + 1$
if [not ($i < 3$)] GoTo Exit
 $b' = b$

Y

$r = 0$
 $c = b' + r$

$r' = b' + c$

Z

$i = i'$
 $b = i + 3$
 $i' = i + 1$
if [not ($i < 3$)] GoTo Exit
 $b'' = b$

Y

$r = r'$
 $c = b'' + r$

$r' = b'' + c$

Z

$i = i'$
 ~~$r = r'$~~
 $b = i + 3$
 $i' = i + 1$
if [not ($i < 3$)] GoTo Exit
 $b''' = b$

Y

$r = r'$
 $c = b''' + r$

Z

$r' = b''' + c$
GoTo X