
$a \leftarrow 3$

$b \leftarrow 1$

while ... do

$c \leftarrow \phi(a, f)$

$d \leftarrow \phi(b, g)$

$e \leftarrow d + 7$

$f \leftarrow e + c$

$g \leftarrow d + 5$

(a) Init. condition edge

$a \leftarrow 3$

$b \leftarrow 1$

while ... do

$c \leftarrow \phi(a, f)$

$d \leftarrow \phi(b, g)$

$e \leftarrow d + 7$

$f \leftarrow e + c$

$g \leftarrow d + 5$

(b) Searching for c

$a \leftarrow 3$

$b \leftarrow 1$

while ... do

$c \leftarrow \phi(a, f)$

$d \leftarrow \phi(b, g)$

$e \leftarrow d + 7$

$f \leftarrow e + c$

$g \leftarrow d + 5$

(c) Backtrack, found c

$a \leftarrow 3$

$b \leftarrow 1$

while ... do

$c \leftarrow \phi(a, f)$

$d \leftarrow \phi(b, g)$

$e \leftarrow d + 7$

$f \leftarrow e + c$

$g \leftarrow d + 5$

(d) Cyclic chain