

CONSTANT PROPAGATION

$$\text{Dom}(NIO) = \left\{ x \in \mathbb{R} \mid x > 0, x \neq 1, x \neq -1, N(x) \neq 0 \right\} = \{1, c, r\}$$

DIRECCION: **Periodo:** l'informazione è proposta da chi

MEET OP: ja in del artikel

Boundary Condition

$$IN[(EN)RY] = \{k=2, x=1, y=1, z=1, b=1\}$$

$$(\text{INT}: \quad \text{IN}[B] \neq B \quad \text{IN}[B] = \perp \quad \forall B)$$

BBO $M[B_0]$ monutile

$\text{out}(B_0) = \text{rest longitude}$.

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$$B1: IN[B1] = OUT[SO] = \{1, 1, 1, 1, 1, 1\}$$

\downarrow $K=2$

$$\text{OUT}[B1] = \{x=2, z=1, x=1, b=1, y=1\}$$

$$B_2 \quad IN[B_2] = OUT[B_1] = \{ \text{--} \text{--} \text{--} 0 \text{--} 1 \text{--} \}$$

$$\text{OUT}[\text{B2}] = \text{OUT}[\text{B1}]$$

Then $\begin{cases} B3 \\ z=k+2 \\ x=5 \end{cases}$ OUT[B3] = {k=2, z=4, x=5, b=1, y=1}

else $\sigma = k = 2$ $OUT(B_4) = \{k=2, \sigma=4, x=8, b=1, y=1\}$
 $x = 8$

join BS \sqcup join
 $k=3$

$$\left[\begin{array}{l} K: 2 \sqcup 2 = 2 \quad (\text{C}) \\ A: 4 \sqcup 2 = 4 \quad (\text{C}) \\ X: 5 \sqcup 8 = 1 \quad (\text{T}) \\ b: y: 1 \end{array} \right]$$

$$IN[B5] = \{k=2, a=4, x=T, b=1, y=1\}$$

$$\text{OUT}[B5] = \{ k=4, a=4, x=T, b=1, y=1 \}$$

while BG \sqcup join me del patch enclose memory lots
quanti. $\text{OUT}[B6] = \text{OUT}[B5]$

body B7

$$b=2$$

$$x=a+x$$

$$y=a \cdot b$$

$$k+4$$

$$\text{OUT}[B] = \{ a=4, k=5, a=4, x=8, b=2, y=8 \}$$

exit B8

exe de B6 quanti extension

$$\text{IN}[B8] = \{ k=4, a=4, x=T, b=1, y=1 \}$$

$$\text{OUT}[B8] = \{ k=4, a=4, x=T, b=1, y=1 \}$$

IT2

B6 \sqcup join, one if patch the proto to valn with

$$\text{IN}[B] = \text{OUT}[B5] \cup \text{OUT}[B7]$$

$$\begin{cases} k: 4 \sqcup 5 = T & (T) \\ a: 4 \sqcup 4 = 4 & (C) \\ x: T \sqcup 8 = T & (T) \end{cases} \quad \begin{cases} b: 1 \sqcup 2 = 2 & (C) \\ y: 1 \sqcup 8 = 8 & (C) \end{cases}$$

body B7

$$\text{IN}[B6] = \{ k=T, a=4, x=T, b=2, y=8 \}$$

$$b=2$$

$$x=a+x$$

$$y=a \cdot b$$

$$k+4$$

$$\text{OUT}[B7] = \{ k=T, a=4, x=T, b=2, y=8 \}$$

IT3

While B6

Join \sqcup domino con latch
 $IN[B6] = OUT[B5] \sqcup OUT[B7]$

$$\left[\begin{array}{l} k: 4 \sqcup T = T \quad (\top) \\ a: 4 \sqcup 4 = 4 \quad (\text{F}) \\ x: T \sqcup T = T \quad (\top) \\ b: 1 \sqcup 2 = 2 \quad (\text{C}) \\ y: 1 \sqcup 8 = 8 \quad (\text{C}) \end{array} \right]$$

$$IN[B6] = \{k=T, a=4, x=T, b=2, y=8\}$$

identifico col finezione 2 step

B7

$$OUT[B7] = \{k=T, a=4, x=T, b=2, y=8\}$$

FUNO PISSO RADICONDO

CONCLUSIONE - le variabili costanti sono sempre

$$a = 4 \quad b = 2 \quad y = 8$$

(sempre) (while) (while)