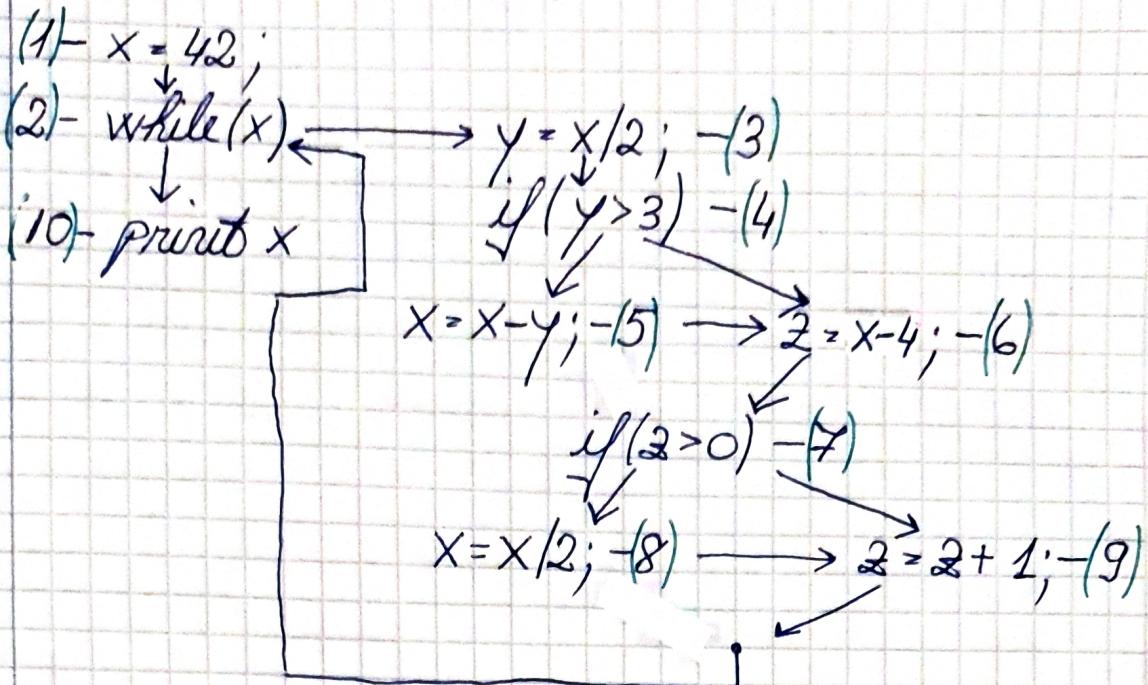


Seminario 1 (Static Verification) =



- $V_n = \left(\bigcup \{V_i \mid i = \text{'SUCESOR'}(n)\} - \text{Written}(n) \right) \cup \text{Read}(n)$
- $\text{Written}(n) = \text{VAR. REDEFINITE IN } n$ (Ex: $X = Y + Z \Rightarrow X = \text{'REDEF'}$)
- $\text{Read}(n) = \text{VAR. CITITE IN } n$ (Ex: $X = Y + Z \Rightarrow Y, Z = \text{'CITITE'}$)

$$V_1 = V_2 - \{X\}$$

$$V_2 = V_3 \cup V_{10} \cup \{X\}$$

$$V_3 = V_4 - \{Y\} \cup \{X\}$$

$$V_4 = V_5 \cup V_6 \cup \{Y\}$$

$$V_5 = V_6 - \{X\} \cup \{X, Y\}$$

$$V_6 = V_7 - \{Z\} \cup \{X\}$$

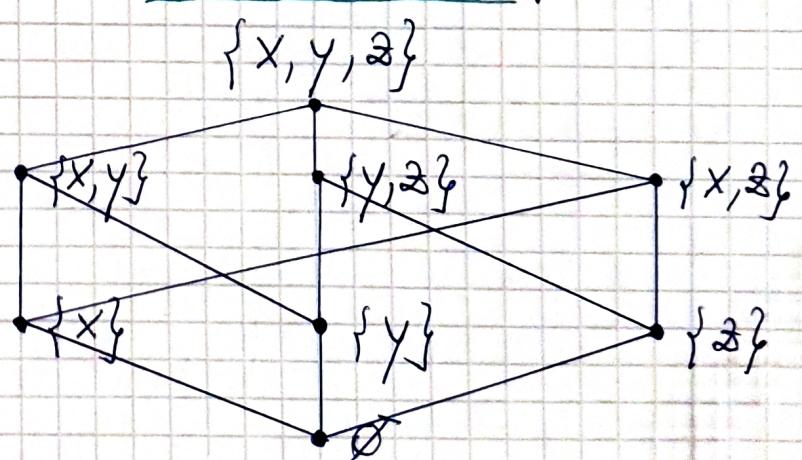
$$V_7 = V_8 \cup V_9 \cup \{Z\}$$

$$V_8 = V_9 - \{X\} \cup \{X\}$$

$$V_9 = V_{10} - \{Z\} \cup \{Z\} =$$

$$V_{10} = \emptyset \cup \{X\} = \{X\}$$

HASSE DIAGRAM (FUNC. MONOTON)



	V_1	V_2	V_3	V_4	V_5	V_6	V_7	V_8	V_9	V_{10}
\perp	\emptyset									
$\neq(\perp)$	\emptyset	$\{X\}$	$\{X\}$	$\{Y\}$	$\{X, Y\}$	$\{X\}$	$\{Z\}$	$\{X\}$	$\{Z\}$	$\{X\}$
$\neq(\neq(\perp))$	\emptyset	$\{X\}$	$\{X\}$	$\{X, Y\}$	$\{X, Y\}$	$\{X\}$	$\{X, Z\}$	$\{X, Z\}$	$\{X, Z\}$	$\{X\}$
$\neq^3(\perp)$	\emptyset	$\{X\}$	$\{X\}$	$\{X, Y\}$	$\{X, Y\}$	$\{X\}$	$\{X, Z\}$	$\{X, Z\}$	$\{X, Z\}$	$\{X\}$