

Qual 15 - Cypri-0.0

line 25: \perp (no output)

line 24: T

line 23: $i \in S$
 $\swarrow \searrow$
T \perp

line 28: $i \geq 0$ \sqcup $i \geq 0$ \rightarrow $i \geq 0$
 $\swarrow \searrow$ $\swarrow \searrow$ $\swarrow \searrow$
 $i \in N$ Nil T $i \in N$ T
 $\swarrow \searrow$ $\swarrow \searrow$ $\swarrow \searrow$
 $i \in S$ Nil $i \in S$ Nil
 $\swarrow \searrow$ $\swarrow \searrow$ $\swarrow \searrow$
T \perp T \perp

line 17: $0 \leq N$ for i in range($N+1$) $\hat{=}$ $i=0$
 $\swarrow \searrow$ while $i \leq N$:
 $0 \in S$ Nil $i++$
 $\swarrow \searrow$
T \perp

line 12: $0 \leq \text{input}_{1,1}$
 $\swarrow \searrow$
 $0 \in \text{input}_{1,2}$ \perp
 $\swarrow \searrow$
T \perp

line 10: $\neg T \geq 0$
 $\swarrow \searrow$
 \perp $0 \leq \text{input}_{1,1}$
 $\swarrow \searrow$
 $0 \in \text{input}_{1,2}$ \perp
 $\swarrow \searrow$
T \perp

line 8: $\text{result}(\text{readint}()) \leq 0$
 $\swarrow \searrow$
 \perp $0 \leq \text{input}_{1,1}$
 $\swarrow \searrow$
 $0 \in \text{input}_{1,2}$ \perp
 $\swarrow \searrow$
T \perp

line 1: $\text{input}_2 \leq 0$
 $\swarrow \searrow$
 \perp $0 \leq \text{input}_{1,1}$
 $\swarrow \searrow$
 $0 \in \text{input}_{1,2}$ \perp
 $\swarrow \searrow$
T \perp

$\Rightarrow \text{input}_2 \neq 0 \wedge \text{input}_{1,1} \geq 0 \wedge \underbrace{0 \in \text{input}_{1,2}}_{\text{len}(\text{input}_{1,2}) \neq 0}$
file: input_2
 $\text{input}_{1,1}$ $\text{input}_{1,2}$