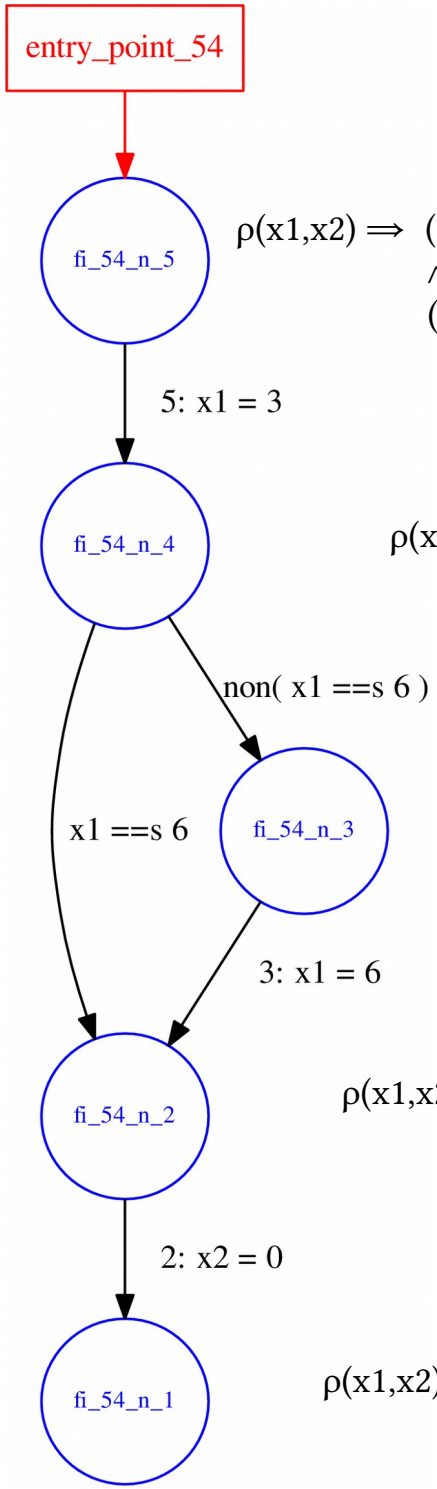
assume(ρ(x1,x2),
ρ(x1,x2) = x1 ∈ ℕ



$\rho(x1,x2) \Longrightarrow ((3 = 6) \Longrightarrow \psi(3, 0)) \wedge ((3 \neq 6) \Longrightarrow \psi(6, 0))$

$\rho(x1,x2) \Longrightarrow ((\bot \Longrightarrow \bot) \wedge (\bot \Longrightarrow \top)) \Leftrightarrow \rho(x1,x2) \Longrightarrow (\top \wedge \top) \Leftrightarrow \top$

$\rho(x1,x2) \Longrightarrow WP(x1 := 3,\ x1 = 6 \Longrightarrow \psi(x1, 0) \wedge x1 \neq 6 \Longrightarrow \psi(x1, 6))$

$\rho(x1,x2) \Longrightarrow WP(x1 := 3,\ x1 = 6 \Longrightarrow \psi(x1, 0) \wedge x1 \neq 6 \Longrightarrow WP(x1 := 6, \psi(x1, 0)))$

$\rho(x1,x2) \Longrightarrow WP(x1 := 3 ; \text{if } (x1 = 6) \text{ then else } x1 := 6,\ \psi(x1, 0))$

$\rho(x1,x2) \Longrightarrow WP(x1 := 3 ; \text{if } (x1 = 6) \text{ then else } x1 := 6 ; x2 := 0,\ \psi(x1, x2))$

Assert (ψ)
ψ(x1, x2) = (x1 = 6)