$\llbracket entry \rrbracket = \{\}$

$\llbracket x = io.read() \rrbracket = \llbracket entry \rrbracket \downarrow x \cup \{x = io.read()\}$

$\llbracket while\ x > 2 \rrbracket = \llbracket x = io.read() \rrbracket \cup \llbracket z = z + 10 \rrbracket$

$\llbracket y = x/2 \rrbracket = \llbracket while\ x > 2 \rrbracket \downarrow y \cup \{y = x/2\}$

$\llbracket if\ y < 6 \rrbracket = \llbracket y = x/2 \rrbracket$

$\llbracket x = x + y \rrbracket = \llbracket if\ y < 6 \rrbracket \downarrow x \cup \{x = x + y\}$

$\llbracket z = x + 2 \rrbracket = (\llbracket x = x + y \rrbracket \cup \llbracket if\ y < 6 \rrbracket) \downarrow z \cup \{z = x + 2\}$

$\llbracket if\ z > 3 \rrbracket = \llbracket z = x + 2 \rrbracket$

$\llbracket x = x/2 \rrbracket = \llbracket if\ z > 3 \rrbracket \downarrow x \cup \{x = x/2\}$

$\llbracket z = z + 10 \rrbracket = (\llbracket x = x/2 \rrbracket \cup \llbracket if\ z > 3 \rrbracket) \downarrow z \cup \{z = x + 10\}$

$\llbracket print(x) \rrbracket = \llbracket while\ x > 2 \rrbracket$

$\llbracket exit \rrbracket = \llbracket print(x) \rrbracket$