$f(x) = ?$

x: num steps

$f(x)$: num nodes visited

where $x \bmod \underbrace{262}_{\text{input width} \times 2} = 100$

$g(y) = f(262y + 100)$

$f(100) = 8993$

$f(362) = 116197$

$f(624) = 344981$

$f(886) = 693845$

$f(1148) = 1164289$

+... + 121080

+... + 121080

+... + 121080

+...

$g(0) = 8993$

$g(1) = 116197$

$g(2) = 344481$

$g(3) = 693845$

$g(4) = 1164289$

$[g(y) = \cancel{121080y^2} + ay + 8993]$?

$c = 8993$

$a+b+c = 116197$

$4a+2b+c = 344481$

$16a+4b+c = 693845$

$g(y) = 60540y^2 + 46664y + 8993$

$f(x) = 60540\left(\frac{x-100}{262}\right)^2 + 46664\left(\frac{x-100}{262}\right) + 8993$