It receives 564389$. The expected output is 51181801$.

Initial State: (0,0)

Receives a 5:

((0,0), 5)

New state: (0,5)

Output: 5

Receives a 6:

((0,5), 6)

New state: (1,6)

Output: 1

Receives a 4:

((1,6), 4)

New state: (1,4)

Output: 1

Receives a 3:

((1,4), 3)

New state: (0,3)

Output: 8

Receives a 8:

((0,3), 8)

New state: (1,8)

Output: 1

Receives a 9:

((1,8), 9)

New state: (1,9)

Output: 8

Receives a $:

((1,9), $)

New state: f

Output: 1$

Total output: 5118181$

But the expected output was 51181801$