N

2

Wall

1

2
1x2

2

1
2x1

Bricks

. . . .
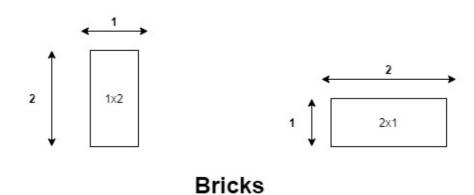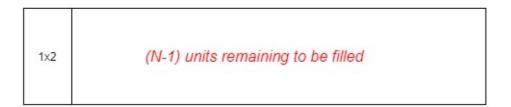
The are 2 possibilities. You can either start with 1 brick of 1x2 (or) 2 bricks of 2x1

1x2 | *(N-1) units remaining to be filled*

+

2x1

2x1 | (N-2) units remaining to be filled

Fibonacci series

F(N) = F(N-1) + F(N-2)