

Fibonacci Number

1 2 3 4 5 6 7 8
0, 1, 1, 2, 3, 5, 8, 13

1 2
0 + 1 = 1
2 3
1 + 1 = 2
3 4
1 + 2 = 3
4 5
2 + 3 = 5
5 6
3 + 5 = 8
5 + 8 = 13

term1 = 0

term2 = 1

term3 = (term1 + term2)

userInput = 8

0	1	2	3	4	5	6	7
0	1	1	2	3	5	8	13
SpriIn	preIn						

$$\begin{array}{c} 0 \\ (2-2) \end{array} + \begin{array}{c} 1 \\ (2-1) \end{array} = \begin{array}{c} 1 \\ 2 \end{array}$$

$$\begin{array}{c} 1 \\ 1 \end{array} + \begin{array}{c} 1 \\ 2 \end{array} = \begin{array}{c} 2 \\ 3 \end{array}$$

$$\begin{array}{c} 1 \\ 2 \\ (4-2) \end{array} + \begin{array}{c} 2 \\ 3 \\ (4-1) \end{array} = \begin{array}{c} 3 \\ 4 \end{array}$$

Problem Logic



Problem Source

