

INPUT :

INPUT :

N=5

OUTPUT:

7

EXPLANATION :

$$0 + 1 + 1 + 2 + 3$$

Fibonacci

N=5

first = 0 \rightarrow $f = 0$
second = 1 \rightarrow $s = 1$

$$\text{I} \rightarrow \text{I} = f + S$$

Handwritten diagram illustrating the reduction of N to 0:

- $N=1$ (circled in red) → 0
- $N=2$ (circled in red) → $0+1 \rightarrow 1$
- 11 (circled in blue) → 1 (circled in blue)

Find the unique elements formed by taking bitwise OR between the elements of different subarrays formed through an array.

Input :

OUTPUT:

int num;

while(cin >> num)

Insert it in the array

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$$\begin{array}{ccc|c} 0 & 0 & \rightarrow & 0 \\ 0 & 1 & \rightarrow & 1 \\ 1 & 0 & \rightarrow & 1 \\ 1 & 1 & \rightarrow & 1 \end{array}$$

1/2
val | 3 → 2

3	1
Set	

1	2	3

$$\begin{array}{c|c|c} 1 & 2 & 3 \\ \hline \end{array}$$

2 2 3

$$\left(\begin{array}{c|c} 2 & 2 \\ \hline 1 & 1 \end{array} \right)^5$$