

## Algorithm

1. Start
2. Input  $n$
3.  $\text{fib}(n)$
4. stop

$\text{fib}(\text{int num})$

1.  $\text{num} = n$
2.  $a = 0, b = 1, c = 0$
3. Print  $a$  &  $b$
4. Repeat through step 4.  
for ( $i = 2; i \leq \text{num}; i++$ )
  - 4.1  $c = a + b$
  - 4.2 print  $c$
  - 4.3  $a = b$
  - 4.4  $b = c$
5. stop

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## Flowchart

