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Pseudocode:
get_number()
 GET number
 RETURN number
francois( number )
 IF number == 1
                      #1
   RETURN 2
 ELSE IF number == 2 #2
   RETURN 1
 ELSE
                      #3
  RETURN francois(number - 1) + francois(number - 2)
display_francois( final_number )
 PUT final_number
main()
 number = get_number()
 final_number = francois( number )
 display_francois( final_number )
main()
Algorithmic Efficiency: O(2^N), due to it's recursive nature in the end of the function
Trace:
TEST CASE: 2
```

Number

2

#1

#2	1
#4	1