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//Answer on question #20226, Programming, C++  
  
#include <stdio.h>  
  
int fibonacci(int n) {  
    if (n == 1 || n == -1) {  
        return 1;  
    }  
    else if (n == 0) {  
        return 0;  
    }  
    else if (n > 1) {  
        return fibonacci(n - 1) + fibonacci(n - 2);  
    }  
    else {  
        return fibonacci(n + 2) - fibonacci(n + 1);  
    }  
}  
  
int main() {  
    int f;  
  
    scanf("%d", &f);  
    printf("%d\n", fibonacci(f));  
  
    return 0;  
}
```