

### 1 способ

```
from functools import lru_cache import sys
sys.setrecursionlimit(5000)
@lru_cache
def f(n):
    if n<4: return 1
    if n>3 and n%2!=0: return n
    if n>3 and n%2==0: return f(n-1)+f(n-2)+f(n-3)
print(f(2254)-f(2252))
```

### 2 способ

```
f=[1]*2260
for n in range(2260):
    if n<4: f[n]=1
    if n>3 and n%2!=0: f[n]= n
    if n>3 and n%2==0: f[n]= f[n-1]+f[n-2]+f[n-3]
print(f[2254]-f[2252])
```