

```
1 def prob_3( int_val ):  
2  
3     if int_val <= 1:  
4         return 2  
5  
6     if int_val % 2 == 1:  
7         return int_val + prob_3( int_val - 2 )  
8  
9     else:  
10        return int_val + prob_3( int_val - 1 )  
11  
12 prob_3( 8 )
```