

```
def calcul(n):  
    liste = []  
    u0 = n  
    while u0 != 1:  
        liste.append(u0)  
        if u0 % 2 == 0:  
            u0 = u0 // 2  
        else:  
            u0 = 3 * u0 + 1  
    liste.append(u0)  
    return liste  
  
assert calcul(7) == [7, 22, 11, 34, 17, 52, 26, 13, 40, 20, 10, 5, 16, 8, 4, 2, 1]
```