

Suites avec Python

Décrire le fonctionnement de chacun de ces programmes et deviner l'expression de la suite numérique utilisée :

```
def u(n):  
    return 3*n-4
```

```
>>> def u(n):  
...     return 3*n-4  
...  
>>> u(4)  
8
```

```
def u(n):  
    u = 3  
    for i in range (1,n+1):  
        u = 2*u+3  
    return u
```

```
>>> def u(n):  
...     u = 3  
...     for i in range (1,n+1):  
...         u = 2*u+3  
...     return u  
...  
>>> u(4)  
93
```

```
def u(n):  
    u = 3  
    print("u0=",u)  
    for i in range (1,n+1):  
        u = 2*u+3  
        print("u",i,"=",u)  
    return u
```

```
>>> def u(n):  
...     u = 3  
...     print("u0=",u)  
...     for i in range (1,n+1):  
...         u = 2*u+3  
...         print("u",i,"=",u)  
...     return u  
...  
>>> u(4)  
u0= 3  
u 1 = 9  
u 2 = 21  
u 3 = 45  
u 4 = 93  
93
```