

ECS1.1 - Correction du TP N ° 1

Exercice 1 Suites récurrentes.

1. -->u=1;

```
-->for n=1:8  
-->u=2*u-3;  
-->end
```

```
-->u  
u =  
-509.
```

2. -->u=0; v=1;

```
-->for n=2:72  
-->x=v;  
-->v=u+v; //on modifie v  
-->u=x; //on reprend l'ancienne valeur de v  
-->end
```

```
-->v  
v =  
4.985D+14
```

3. -->fact=1;

```
-->for n=1:7  
-->fact=n*fact;  
-->end
```

```
-->fact  
fact =  
5040.
```

-->S=0;

```
-->for n=1:20  
-->S=S+n^2;  
-->end
```

```
-->S  
S =  
2870.
```