

$$1^2 + 2^2 + \dots + n^2$$

programmation fonctionnelle



programmation impérative

```
combine with (+) items of
map (x) over (1 To n)
```

```
variables du script S
S prend la valeur 0
for i = 1 to n
  S prend la valeur S + i x i
afficher la variable S
```

```
combine with (+) items of
map (^ 3) over (1 To n)
```

$$1^3 + 2^3 + \dots + n^3$$

Que calcule cette fonction ?

```
combine with (+) items of
map (x ^ / !) over (0 To 10)
```