

# TD11 : corrigé

ECE3 Lycée Carnot

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1. 

```
FUNCTION puiss(x :real; n :integer) :real;
  VAR i :integer; a :real;
  BEGIN
  a :=1;
  FOR i :=1 TO n DO a :=a*x;
  puiss :=a;
  END;
```
2. 

```
PROGRAM valeurs;
  USES wincrt;
  VAR i :integer;
  FUNCTION f(x :real) :real;
  BEGIN
  f :=sqrt(x*x+3);
  END;
  BEGIN
  FOR i :=-5 TO 5 DO WriteLn(f(i));
  END.
```
3. On écrit directement le programme complet :

```
PROGRAM coefbin;
  USES wincrt;
  VAR k,p :integer;
  FUNCTION fact(p :longint) :longint;
  VAR i :integer; a :longint;
  BEGIN
  a :=1;
  FOR i :=1 TO p DO a :=a*i;
  fact :=a;
  END;
  BEGIN
  WriteLn('Choisissez les valeurs de k puis de n');
  ReadLn(k,n);
  WriteLn(fact(n)/(fact(k)*fact(n-k));
  END.
```