

```

[ > factor(x**5-7*x**4+19*x**3-25*x**2+16*x-4) ;
[ > solve(%=0,x) ;
[ > entpr:=proc(n)
    L:=[];
    for k from 1 to n do
        if isprime(k) then L:=[op(L),k] fi; od;
    L;
end;
[ > S:=[]: for k from 1 to 8 do S:=[op(S),[-k,k]]; od: S;
    [[-1,1],[-2,2],[-3,3],[-4,4],[-5,5],[-6,6],[-7,7],[-8,8]]
[ > g:=x->x*exp(1-x);
    plot( g,0..3,0..1);
[ > insere:=proc(L,x,k) S:=[];
    if k > nops(L) then ERROR(`longueur`);
    fi;
    if whattype(L)<>list then ERROR(`liste`);
    fi;
    for h from 1 to k do S:=[op(S),L[h]] : od ;
    S:=[op(S),x];
    for j from ( k+1 ) to nops(L) do
        S:=[op(S),L[j]] od; S;end;
[ > nb:=0:
    for k from 1 to 15 do
        if k**2>100 and k**2<200 then nb:=nb+1;fi ; od; nb;
[ > decomp:=proc(n)
    L:=[]:
    for k from 1 to nops(ifactors(n)) do
        L:=[op(L), op(op(1,(op(k,ifactors(n)))) )]
    od;
end;
[ > decomp(360);
[ > restart :
    a=3 :
    b=5 :
    a+b ;
    a+b
[ > a:5 ;
    5
[ > x :=3 :
    y :=x+1 :
    y ;
    4
[ > x :='x' :

```

```

    y ;

4

> y :=x+1 :
  x :=3 :
  y ;

4

> x :='x' :
  y ;

x + 1

> whatype(u*x+v) ;

+

> whatype(a,b,c) ;

exprseq

> map(sqrt,[1..10]) ;

[1,√2,√3,2,√5,√6,√7,2√2,3,√10]

> if ln(3)<ln(5) then ok else ko fi;
>
Error, cannot evaluate boolean
> x:=5 ;

solve(x^2+2*x-1,x) ;

x := 5
Error, (in solve) a constant is invalid as a variable, 5
> x :=evalf(sin(Pi/5)) :

if x>0 then print('positif') ; else print(' negatif ') ; z :=x ;
fi: z ;

positif
z

> x :=1.0/3 :

evalb(x*3=1) ;

false

>

```