

```
Exponentiation rapide :
begin
  for  $i := 1$  to 10 step 1 do
    afficher( $\exp(2, i)$ );
    newline() od
where
funct  $\exp(x, n) \equiv$ 
  [ $z := 1$ ;
  while  $n \neq 0$  do
    while pair( $n$ ) do
       $n := n/2; x := x * x$  od;
       $n := n - 1; z := z * x$  od;
   $z$ ].
end
```