

```
Exponentiation rapide :
begin
  for  $i := 1$  to 10 step 1 do
    afficher(exp(2,  $i$ ));
    newline() od
where
funct exp( $x, n$ ) ≡
  [  $z := 1$ ;
    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
```