

```
init { max-gen = 20  
      N = 2  
      i = 1  
process while i <= max-gen  
        N = N * 2  
        i = i + 1  
termination Print(N)
```

init { $N = 2$.
 $g = 0$
process while $N \leq 1e9$ and $g \leq 100$
 $N = N * 2$.
 $g = g + 1$
termination. Print(g)
print(N)