Begin

Input N, a1…aN

Max = a1, i=2

If i>=N

Do

If Max <= ai

Max = ai

End if

i = i+1

End do

Display Max

End

Start

Input N,a1..aN

Max=a1, i=2

I=i+1

I >= N

Yes

No

Max<=ai

No

Yes

Max = ai

Stop

Display Max