Stop

Output min1 and min2

No

Yes

No

Any unused elements in list?

Min2 = element

Yes

Element < min2?

No

Min1 = element

No

Min2 = element

Yes

min1 < min2?

Yes

Element < min1?

Read first 2 items and store the first value as min1 and the second value as min 2

Input: List of values

Start