

## Algorithm 1: Search

**Input:** Input

**Output:** Output

```
1 Procedure Search( $A, x$ )
2    $i \leftarrow 0$ 
3   while  $i \neq n$  do
4     if  $A[i] = x$  then
5       return true
6      $i \leftarrow i + 1$ 
7   end
8   return false
```