1. SUM(S, x)

return false #return false if no sum is found

2. To do stack operations with push, pop and min in constant O (1) time, we are going must implement it by using two stacks, actual and auxiliary, where auxiliary stack will always be the minimum element.

Push	Рор
if stack is empty, insert x top of actual and	pop the top element of actual stack
auxiliary	
If stack is not empty	If top element of actual equals auxiliary
 Let y be top of auxiliary. If x <= y, 	stack, then also pop top element of
then push x to auxiliary and actual	auxiliary.
 Ley y be top of auxiliary. If x >= y, 	
then push x to actual only	