

Implement Stack using One Queue (Q) :-

push (Q, x)

n = element

if (Q is empty) Q = Queue,
 $\text{Enq}(Q, x)$
else
 $\text{Enq}(Q, x)$
 // Calculate Size of queue
 n = Size (Q)
 for (i = 0; i < n; i++)
 $\text{Enq}(Q, \text{Deq}(Q))$

pop (Q)

if (Q is not empty)
 $\text{Deq}(Q)$