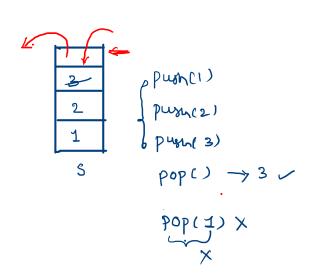
O Stack [LIFO/FILO]

>> push(r) →add → OF

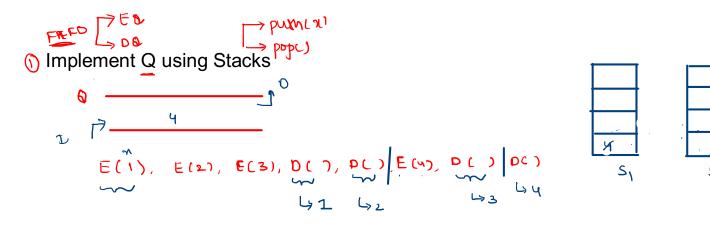
>> popc) → delete → or

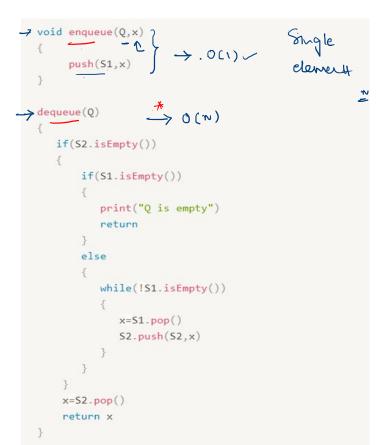


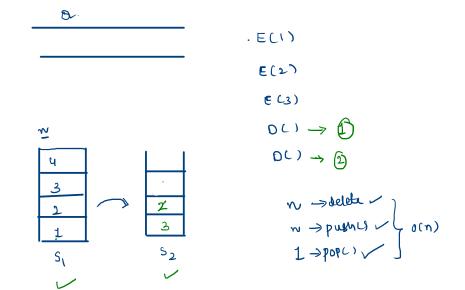
2 On ene

Enqueuer) -> add

Dequeuer) -> derete







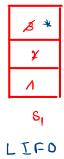
& C)

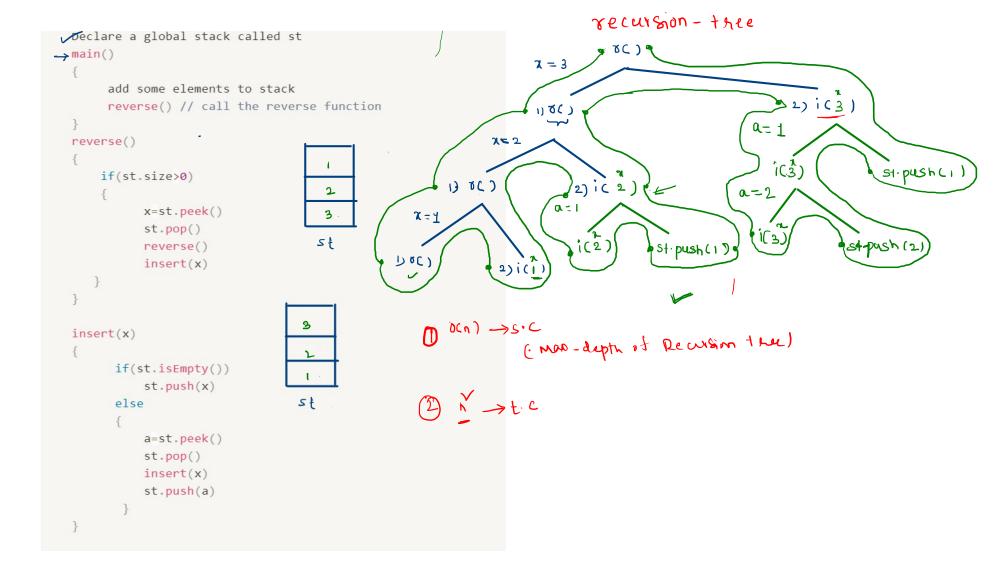
pulm(1), pum (2), POPLS, POPLI pulh (3), Push (4), Implement Stack using Queues POPC) insert 8, pumil) X 4 S doube insut az POPL) POPL) pushc) morre 1) delete al elements Begus (B1) / say contents of 0, and On 81 3)

```
I element
    Let Q1,Q2 be two Queues
\rightarrow void push(x)
         Q2.enqueue(x)
         while(!Q1.isEmpty())
              Q2.enqueue(Q1.front)
                                                     0(7)
              Q1.dequeue()
          let temp be a Queue \gamma
          temp=Q1
          Q1=Q2
          Q2=temp
        return Q1.dequeue() → O(1)
  * top()
        return Q1.front()
```

y 8
3
Stury

Reverse the contents of stack





Stock-Span Problem

```
p[]={ 100, 80, 60, 70, 60, 75, 85 }
s[] ={ 1, 1, 1, 2, 1, 4, 6 }
```

```
findSpan(price[],n,span[])
{
    Stack st
    st.push(0)
    span[0]=1
    for(i=1;i<n;i++)
    {
        while(!isEmpty() && price[st[top]]<=price[i])
        {
            ele=st.pop()
            }
            span[i]=isEmpty()? i+1 : i-st[top]
            st.push(i)
        }
}</pre>
```