

Queue Data Structure

① Stack → LIFO discipline ✓

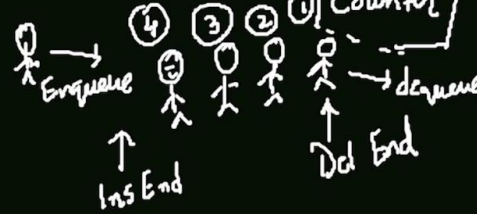
② Queue → FIFO discipline →

Queue ADT

Data : ① Storage ✓

② Ins End ✓

③ Del End ✓



Indian Railways
[Queue] FIFO

Methods : ① enqueue ✓ ④ last Val ✓
② dequeue ✓ ⑤ peek(pos) ✓
③ first Val ✓ ⑥ isEmpty ✓
⑦ is full ✓

Note → Queue: Not Limited to counters
→ Queue can be implemented in
various ways!
✓ ① Arrays ② using LL ✓
③ Using other ADTs