STL:

Queue → data structure

push(e)

front()
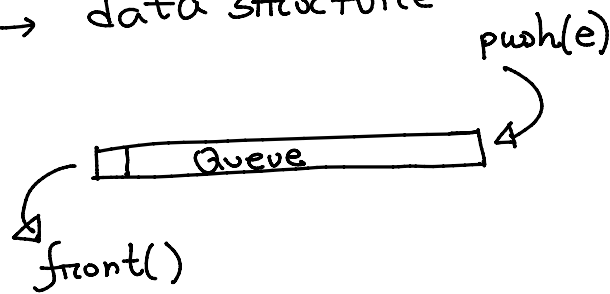
All operations are done in $O(1)$ time!

— o —

Round Robin Scheduling Algorithm

$T=0$ | A(150) — B(80) — C(200) — D(200)

$T=100$ | B(80) — C(200) — D(200) — A(50)

$T=180$ | C(200) — D(200) — A(50)

$T=280$ | D(200) — A(50) — C(100)

$T=380$ | A(50) — C(100) — D(100)

$T=430$ | C(100) — D(100)

$T=530$ | D(100)

$T=630$ |

$q = 100$

B   180
A   430
C   530
D   630

Second Thread

Ennichto