

priority number min priority Queue

1 to 5

Question 9

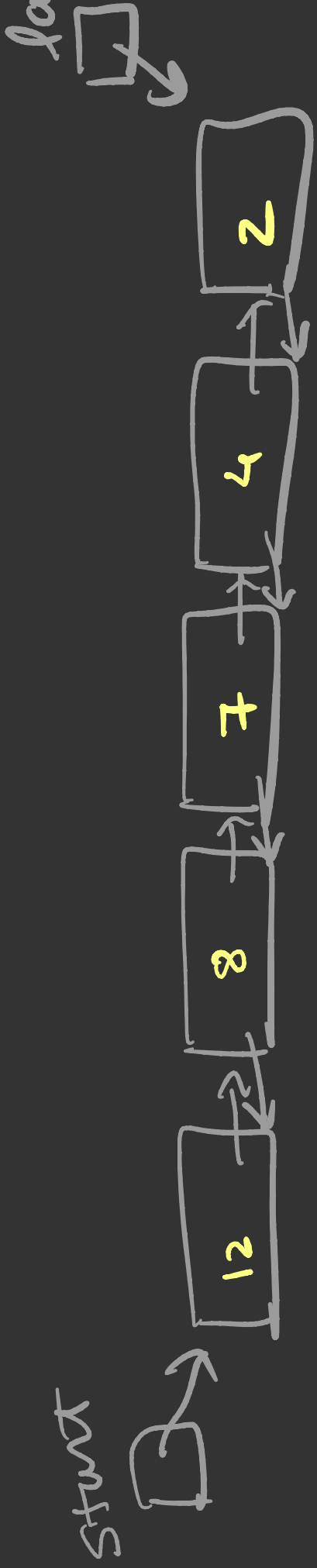
Pno	0	1	2	3	4	5	6	7	front	rear
1	0								-1	-1
2		25	50	70					0	2
3			40						0	0
4				60					0	0
5									-1	-1

In minpriority queue less priority number is given more priority. This is minpriority queue of 2D array (5 cross 5).

Insertions:

25 with priority number 2, 40 with priority number 3, 60 with priority number 3, 50 with priority number 2, 70 with priority number 2. If no insertion at a particular priority number array then its rear=front=-1. When a value is inserted rear is changed and when value is deleted front is changed similar to queue rules.

Question 10



If we have to create minPriority Queue and maxPriority Queue in the same linked list then we have to create two node type pointers start and last. minPriority Queue will function according to start pointer and maxPriority Queue will function according to last pointer.