QUEUE ALGORITHMS

EN-QUEUE (INSERT) ALGO.

Step-1 [check overflow condition]

if rear >=size then

o/p”queue is overflow”

exit

Step-2 [increments rear]

rear=rear+1

Step-3 [insertion an element]

queue[rear]=value

Step-4 [set the front]

if front < 0

front =0

Step-5 exit

DE-QUEUE (DELETE) ALGO.

Step-1 [check the stack is empty]

if front = 0 then

o/p”stack is under flow”

exit

Step-2 [remove element]

values=queue[front]

Step-3 [check for empty queue]

if front=rear then

front=0 ,rear=0

else

front=front+1

Step-4 return(value)

Step-5 exit