DELETE FROM CIRCULAR QUEUE

Delete Circular ():
Description: Here QUEUE is an array with N locations. FRONT and REAR points to the front and rear elements of the QUEUE.

1. If (FRONT == 0) Then [Check for Underflow]
2. Print: Underflow
3. Else
4. ITEM = QUEUE[FRONT]
5. If (FRONT == REAR) Then [If only element is left]
   (a) Set FRONT = 0
   (b) Set REAR = 0
6. Else If (FRONT == N) Then [If FRONT reaches end if QUEUE]
7. Set FRONT = 1
8. Else
9. Set FRONT = FRONT + 1 [Increment FRONT by 1]
[End of Step 5 If]
10. Print: ITEM deleted
[End of Step 1 If]
11. Exit