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
```