Partition List

491 this problem we must reasonge nodes no that-

·All nodes < x come first

· All nodes >= X come after.

Reletire order within each partition must be preserved

Blea (Two feits Method)=

· Use trus represate cleaning he eds:

· Len lest: nodes < x

· Suecter list: modes >= x

hoveve the orginal list:

Append moder to the corresponding list.

- Concaternate the two lists

This approach enseves O(w) time and preserves ender.

1. Erect two clammy nodes.

· less Head (start of less-than -x lest)

greater heed (start of greater - 21 - equal - X list)

2. hover head:

· If val <x : append to low

· Else: oppend to qualta,

3. Merge len and greater.

4. Ensure greates Tail - next = well pts (terminate list).

(Complexity:

· Time: O(1) (single pan through the list)
· Space: O(1) (in-place, only demmy modes used).