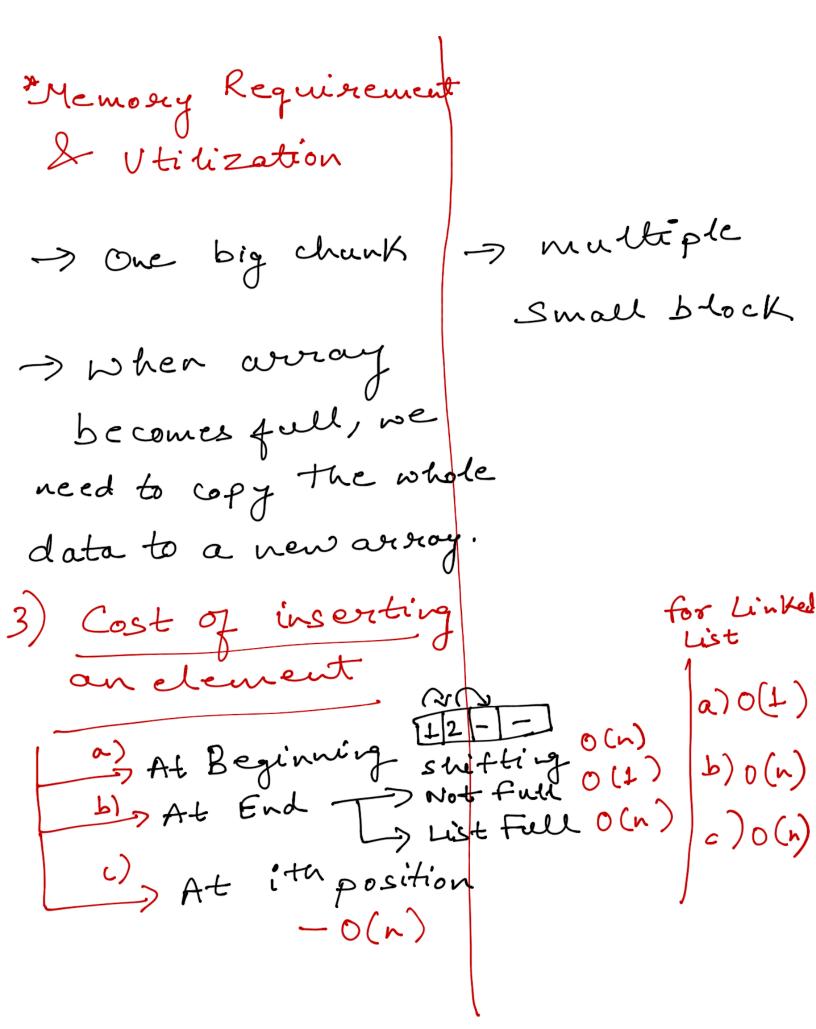
Linked List Arrays 1. Cost of accessing on blement 2 N 36 N a 2 4 6 (Head) Traverse the Eq: i=2 Address of a[i] = Base + 1x Size of Dothtype -> O(n)
Add. (in bytes) = 200 + 2×4 Sequential Access = 2080 (1) Random Access

2. Memory Usage used unused Eg! 7×4=28 byts Eg: 7 x 16 = Used: ? Unused:?

2 N - 4 N -6 N No unused menory -> Entra memon for pointers Eg: for above, 8×3 = 24 byte o Another datatype of 16 bytes 2 lábytes 4 bytes bytes 20 bytes Eq: 20 x3 = 60 bytes



4. Deleting an element

Some as insertion

* Linear / Binary & Binary Search Search both possible NOT possible

5. Ease of Use

Errors:

3 Sequentation fault · Trying to access memory that does Not belong to you

*Cache Friendly

Arrays one contiguous ne mory leaks So locality of reference Memory NOT needed any longer is not released

Eg: Write violation Accessing address