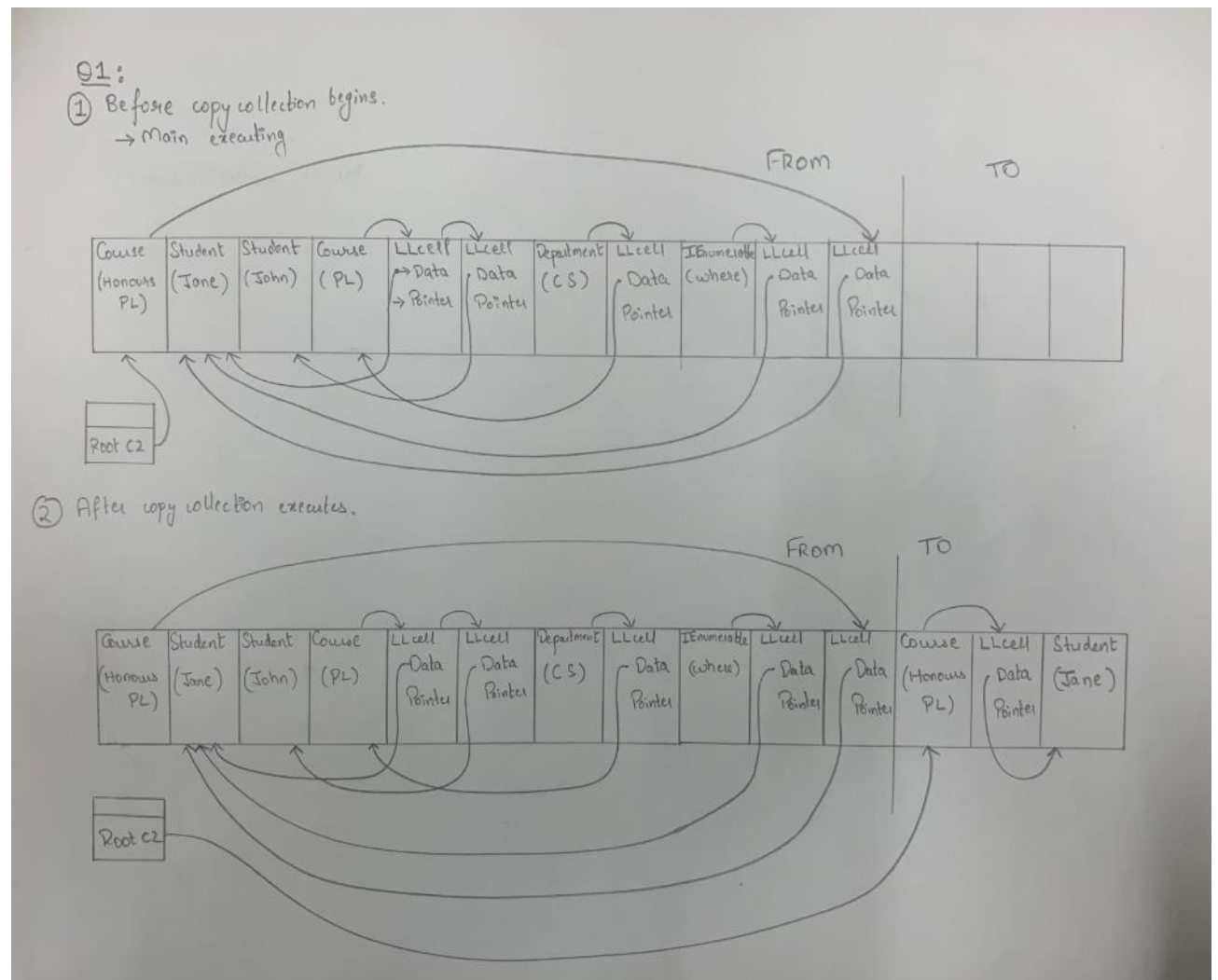
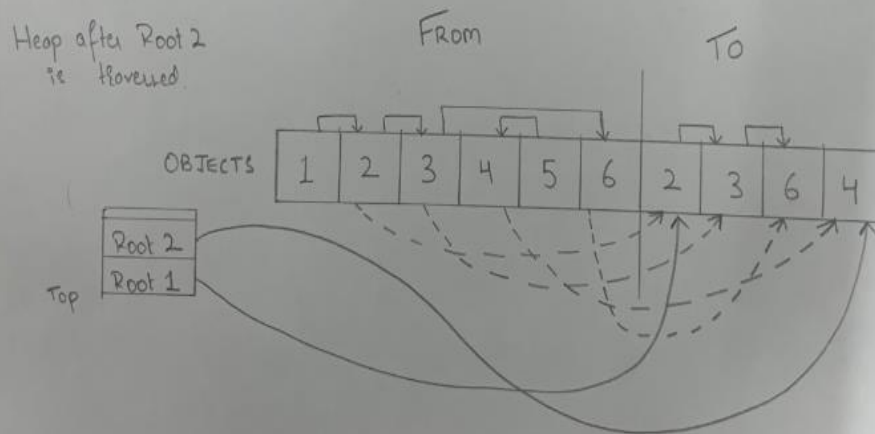
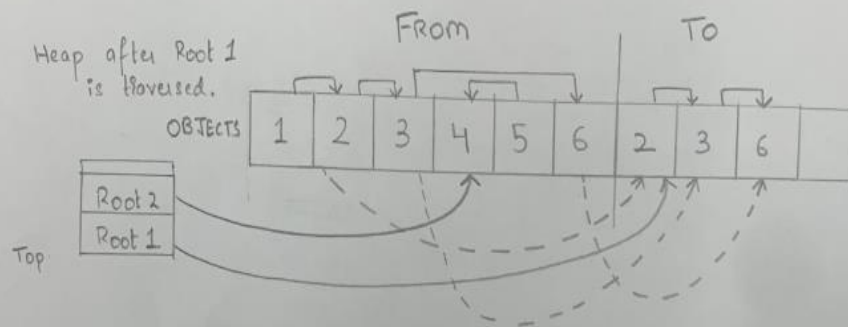


## Q1. Garbage Collection 1



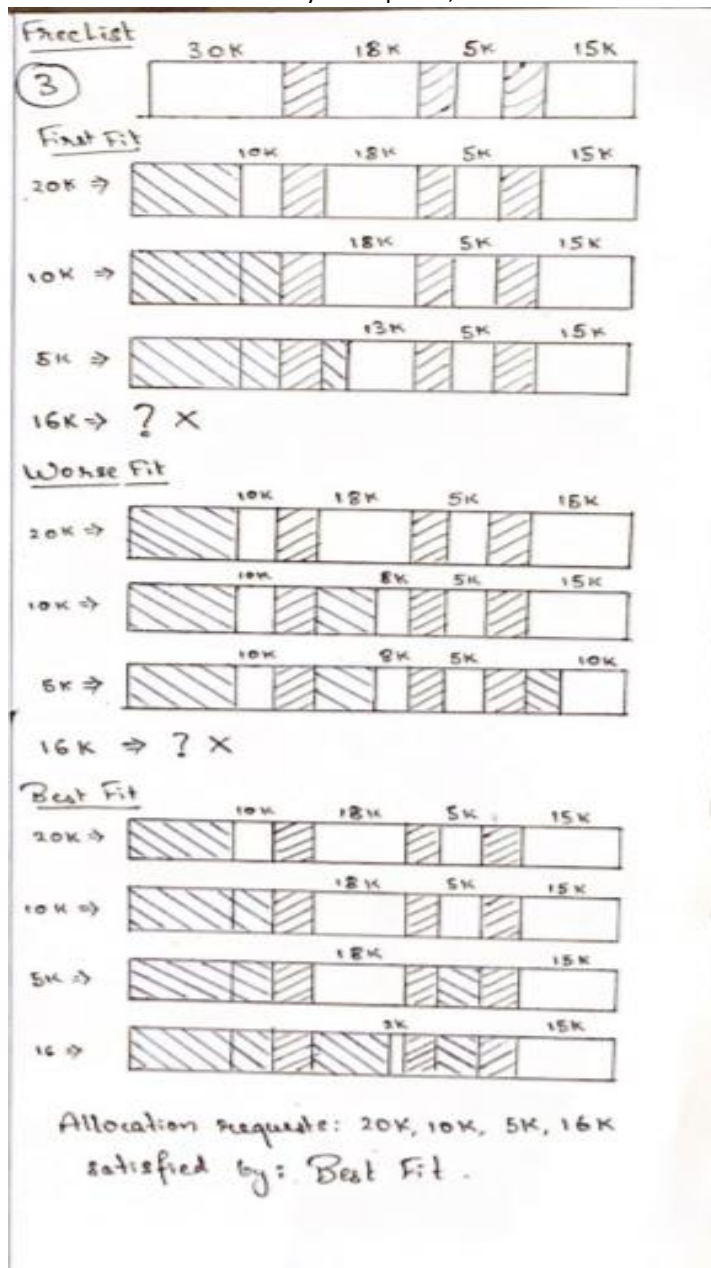
## Q2. Garbage Collection 2

Q2: From and To space after copy collection runs  
→ Roots processed in top-down order.

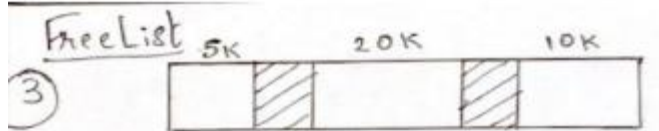


### Q3. Memory Allocation

- Best-fit allocation can satisfy all requests, but First-fit and Worst-fit cannot.

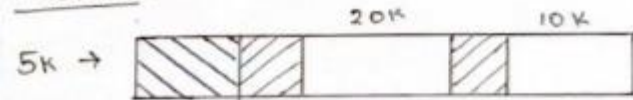


- First-fit allocation can satisfy all requests, but Best-fit and Worst-fit cannot.

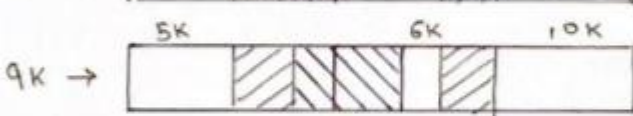
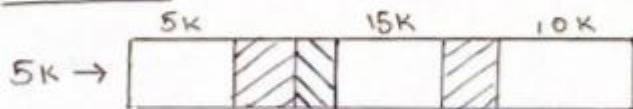


Allocation Requests: 5K, 9K, 11K, 10K

First Fit:



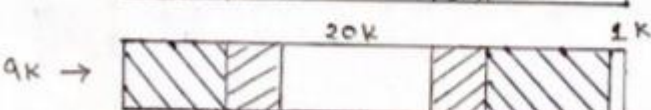
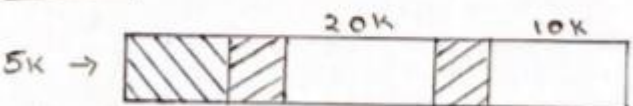
Worst Fit



11K → ? X

10K → ? X

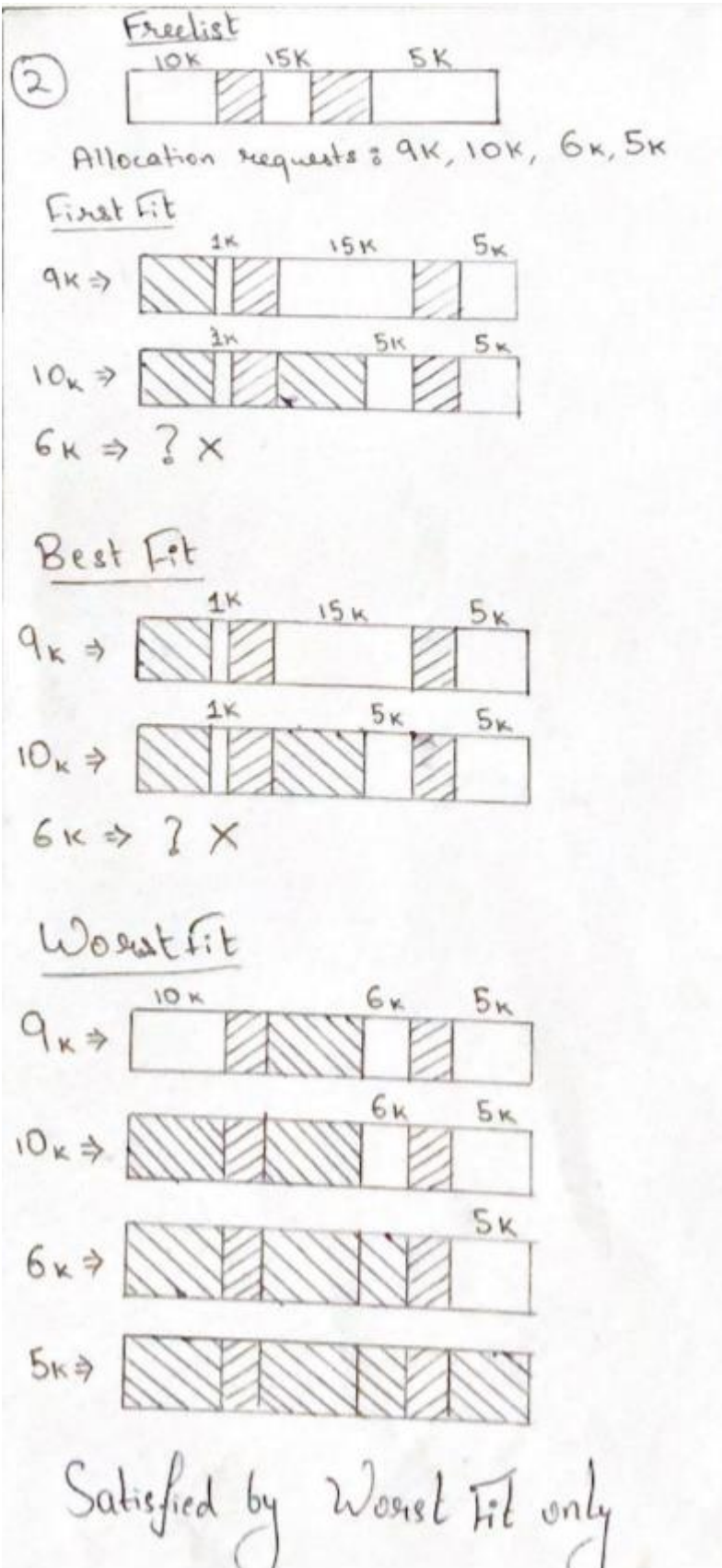
Best Fit



10K → ? X

Satisfied by First Fit only

- Worst-fit can satisfy all requests, but First-fit and Best-fit cannot.



- Worst-fit and best-fit allocation can satisfy all requests, but First-fit cannot.

