Mark/Compact

() (Lin duta)

1. Mark (bytraversal) all the data (starting from root set - stack)

2. Set up forwarding pointers for all values on heap

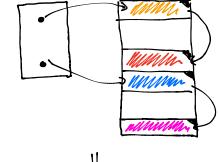
fud-to = HEAP_START O(Heap Size) CUTT = HEAP-START while com < HEAP_END:

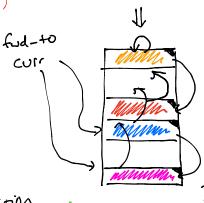
if cur. marked: con.fud = fud-to fud-to += con. size

Curr += curr. size

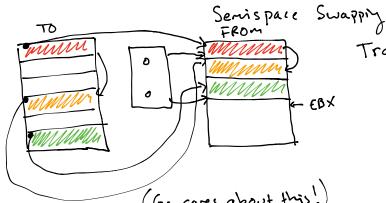
3. Update all references to full ptr

41. Copy all live values to final destination O(line data)





Live/Hea?



Traverse from root sety copyly + forwardy during traversal.

O (Im data)

- Latercy (Go cares about this!)
- Ratio of live: dead
- Time performance
- Memory utilization
- How frequently it runs (ulen do me run this?)

- end of each fun

- When heap is X% full - When next thing won't fit - scope/extent ends

- the user asks (System-gc())

Generational (G(- Many short-lived objects (infant mortality) gen 2 swapping svarping after N copies (3-41) Chererational (G(must/confact must/confact tenured tenured large object: