1) Number using original algorithm:

For each root r: copy(r)

Copy A object to A’ memory location
Copy B object to B’ memory location
Copy C object to C’ memory location
Copy D object to D’ memory location
Copy E object to E’ memory location

Update As header with A’ address
Update Bs header with B’ address
Update Cs header with C’ address
Update Ds header with D’ address
Update Es header with E’ address

Return A’ address and update obj1 val
Return B’ address and update obj2 val
Return C’ address
Return D’ address
Return E’ address

Update A’ left field with C’s address
Update A’ right field with E’s address
Update C’ left field with D’s address

#2 is Extra Credit / Optional:

2) Re-write original algorithm to use breadth first traversal. Make sure to include the roots:

For each root r: ...
3) Copying Collector pros/cons

- Strengths (3)

- Weaknesses (2)