1) **Number using original algorithm:**

For each root \( r \): \( \text{copy}(r) \)

- 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) **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)