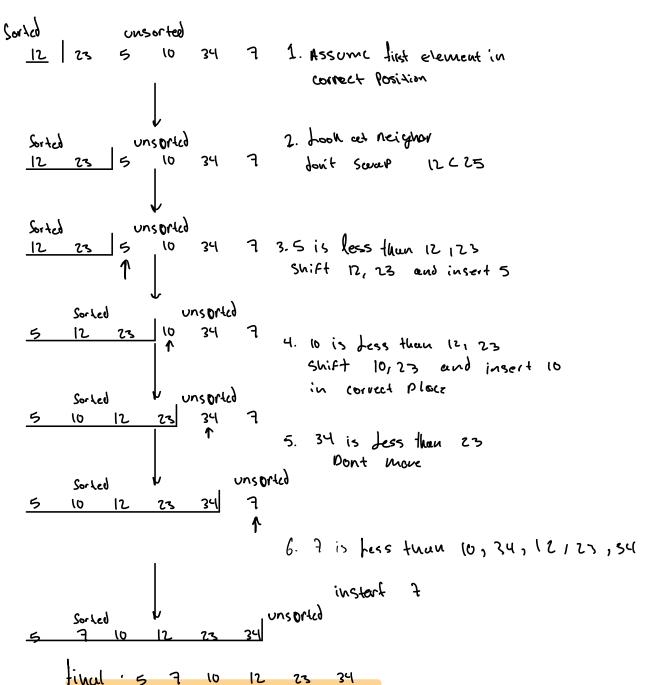
Richard Aguilor Selection Sort: 7 34 12 10 1. I'm) smalles element a Place it at beginning 7 is smallest Swal (7, 12) of Array to ... 5] 7 10 34 12 23 5 2. Lind smalles element a Place it at beginning 5 is Smallest Swap (23, 5) SUD - MYROY [7...5] Note: Sub-Array Highlighted 23 10 34 12 2. Lind smalles element a Place it at beginning 10 is Smallest Swap (10,23) SUD - ANTON [2...5] Note: Sub-Array Highlighted 7 10 23 34 15 2. Lind smalles element a Place it at beginning 12 is Smallest Swap (12,123) Sub - Array [3 ... 5] Note: Sub-Array Highlighted 7 15 34 23 2. Lind smalles element a Place it at beginning 23 is Smallest Swap (23, 34)

SUB - ANTON [4...5] Note: Sub-Array Highlighted

Final: 7 5 10 12 23 34 Result

: LIOS NOIFISSNI



Bubble Sort

- 12 23 5 10 34 7 1. is 12 < 23? yes -> bon't move
- 23 5 10 34 7 2. is 23 65? no > swap!
- 23 10 34 7 Sweep (23, (0)
- 3. is 23 < 10? No! → sweep!

5. is 34 L 7 ? no -> Sump!

- 10 23 34 7
 - 4. is 23 4 34? Yes! > non't move
- lo
- Larges clemen at end do operation to CoI-[4]
- 6. (265? No! → Swup!
- 23 7 34 12 10
- 7. 12 L10? No! Swap
- 12 23 7 34 no nothing
- 8. ic 12623? Yes do nothing
- Swap (25,7)
- 12 23 7 34 9. is 23 < 7? no! -> Sewerp
- 12 7 23 34 12 7 23 34 12 7 23 34
- 10. 23 4 34? Y > Do nothing
- 11. 5 < 10? Yes > Do nothing
- <u>12</u>
- 12, 10 6 12? Yes -> no nothing

5 10 12 7 23 34 (3. 12 47? No > Sweep!

5 10 7 12 23 34 (4. is 5 < 10? Y > Do nothing

5 10 7 12 23 34 (5. is 10 < 7? No > Sweep!

5 10 12 23 34 (6. is 5 < 7? Yes > Do nothing

5 7 10 12 23 34 (6. is 5 < 7? Yes > Do nothing

5 7 10 12 23 34

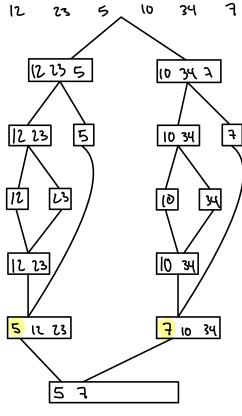
Exchange Sort:

- 12 23 5 10 34 23 5 10 34 12 lo 34 23 12 12 10 34 5 23 5 23 12 10 7 34 5 23 12 10 34 Sorted 5 12 23 10 34 Sorted 5 10 23 12 34 (orted 5 10 23 12 34 7 Sortco 5 7 23 12 Sorted 5 7 <u>12</u> 23 34 Sorted 5 7 <u>12</u> 23 34 (orted 23 34 12 Sorted 5 7 10 34 ८ऽ 12 Sortco
- 1 12225? y-> no soul 2. 12 < 5? No > SWEEP((2,5) 3.5610? Y-> Do nothing 4.5634? 4-> Do nothing 5.567? Y-> Do nothing 4.23 612. No -> Swot(23,12) 5. (2∠ 10) NO > Sweep (12,10) 6. 10 < 34? 1/15 > Do nothing 7.10 67? NO -> Swap(10,7) 8. 23 ∠ 12? NO → gerer (23,12) 9.126347 Yes -> Do nothing 10. 12 L10? NO > Sweet (12,10) 11. 23 634? Yes > Do nothing
 - 12. 23 ∠ 12? No → Swaf(25,12)
- 5 7 10 12 34 23 Sorted

 13. 34 423? NO > Sever (34, 23)

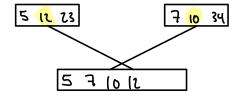
final:
5 7 10 12 23 34

Meige sost:



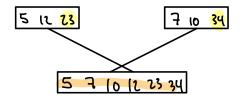
- 1. Split into two
- 2. Split, Since each have 3 zerunts they'll have 4 remainder each
- 3. Split into seperate numbers
- 4. Merge element togethe from small to longe
- 5. Morge remainder from small to Large
- (. Compare Lett annu with right and ineat accerdingly

 5 < 7? Yes > enter 5 than 7



7. Compare Lett array with right and incat accordingly

122107. No -> enter 10 then 12



8. Compare Lett arrow with right and incort accordingly
23 < 347. Yes -> enter 23 then 34

final: