CSC148:

· SELECTION SORT

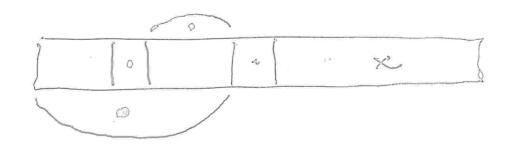
O INSERTION FORT

BULLD UP SORTED PARET BY INSCRIBNG ME

× × × × × ×

RECURSIVE SORTING ALGORITHMS

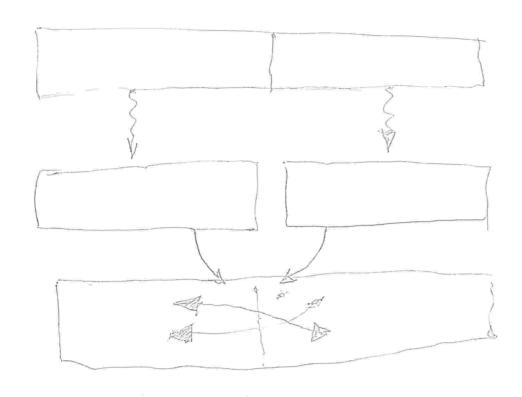
· RECURSIVE BINARY SEARCH



POIVIDE LIST INTO TWO PATOS

- · SONT EACH PART (RECURSIVELY)
- · COMBINE THE PARTS.

MERGESORT



DIVIDE, RECURSE AND MERE,

```
DET MERSESORT (957):

MID = LEN (15T)//2

> LEFT = MALE = LET [ MID]

- RIGHT = MARE Z LET [ MID]

- ROPED = LEFT = MERSPORT ( UFT - HALF)

- RETURN []

RETURN []

ELIF LUNK [ST] = 1:

ELIF LUNK [ST] = 1:
```

5 4 10 1 3 12 20 2 1 A13 10 12 20 2 1 2 3 4 5 2 2 10 12 20

V