```
Sorting
Bubble sort
```

```
for (i=0; iz=n-1; i+t)?

bool is Swap = false;

for (j=0; jz=n-1-i; j+t)?

it (arr [j] > arr [j+1];

arr [j+1] = derp;

is snap=true;

y

if (lis Srap) return;

Shap nahi boraha

boic any Lene!
```

Selection cort

for (i=0; i < n-1; i++) [

int smallest Ida=i;

for (j=i+1; j=n; j++) [

it (arr [j] = arr [si]) [

SI=j

g g

Swap (arr [i], arr [si])

1

Insertion Sept

for (i=1; i=n; i++) l',

curr = orr[i];

prev = i-1;

while (prev > 0 er m/prev) > corr) e'

arr[prev+1] = arr[prev];

g prev--;

g arr[prev+1] = curr;

g

Dry run

$$4 \times 5 \quad 23$$
 $5 \quad 05$
 $4 = 5 \quad 23$
 $5 \quad 05$
 $1 + 2 \quad 3$
 $5 \quad 05$
 $1 + 2 \quad 3$
 $5 \quad 05$
 $1 + 5 \quad 23$
 $1 + 5 \quad 23$