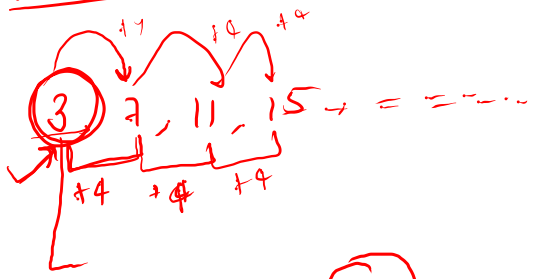
n →

h = 50



initialization → i = 3

condition → i < n

increment → 4

2, 9, 16

< n

for (int i = 3; i < n; i += 4) → for loop

OK

```
int i = 3
while (i < n) {
    cout (i);
    i += 4; // i = i + 4
}
```

→ while

n = 10

n - 1

Print →

10 -1
9 -1
8 -1
7 -1
6
5
4
3
2
1

1 to n

n to 1

initialization → i = 10 || i = n

condition → n >= 1

decrement = i-- | i -= 1 | i = i - 1

n - 0

n - 1

n=10 >=

for (int i=n; i >= 1 ; i--)

n=10

n=10

10
9
8
7
6
5
4
3
2
1
0

initial → i=n;

cond → i>=0

inIdec → i--

i=10
i=9
i=8
i=7
i=6
i=5
i=4
i=3
i=2
i=1

10
9
8
7
6
5
4
3
2
1

n

10>=1
9>=1
8>=1
7>=1
6>=1
5>=1
4>=1
3>=1
2>=1
1>=1
0 >=1 (F)

n → 0

o/p

n = 10

10
9 -1
8 -1
7
6
5
4
3
2
1
0

i > 0

initial → i = n

cond^n → i >= 0

dec → i--

for(int i=n; i>=0; i--)
{
  sysout
}

⇒ int i=n;
for(; i>=0; i--)

0 > 0 (F)

i = 10

10 < 0 ✗

10 > 0 ✓

5 → Reverse.

5 × 10 = 50
5 × 9 = 45
5 × 8 = 40
5 × 7 = 35
5 × 6 = 30
5 × 5 = 25
5 × 4 = 20
5 × 3 = 15
5 × 2 = 10
5 × 1 = 5

```
for (int i=10; i>0; i--)
{
    Sys("5x" + i + "=" + 5xi);
}
```

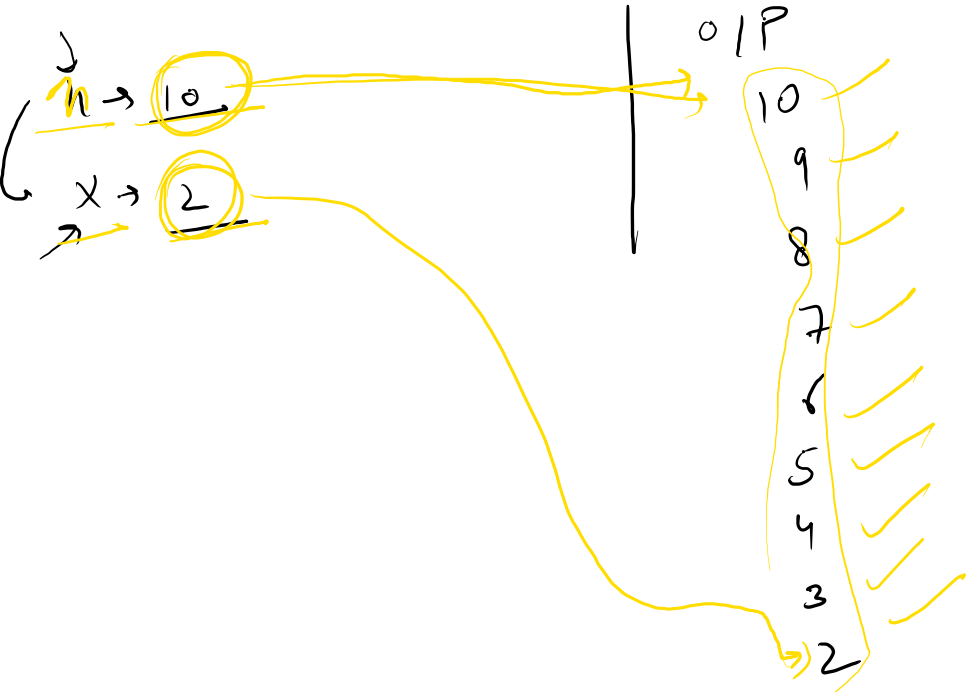
n = 50
r = 3

50 42 44 41 30

55 32 29

"4x" + i + "=" + 4xi

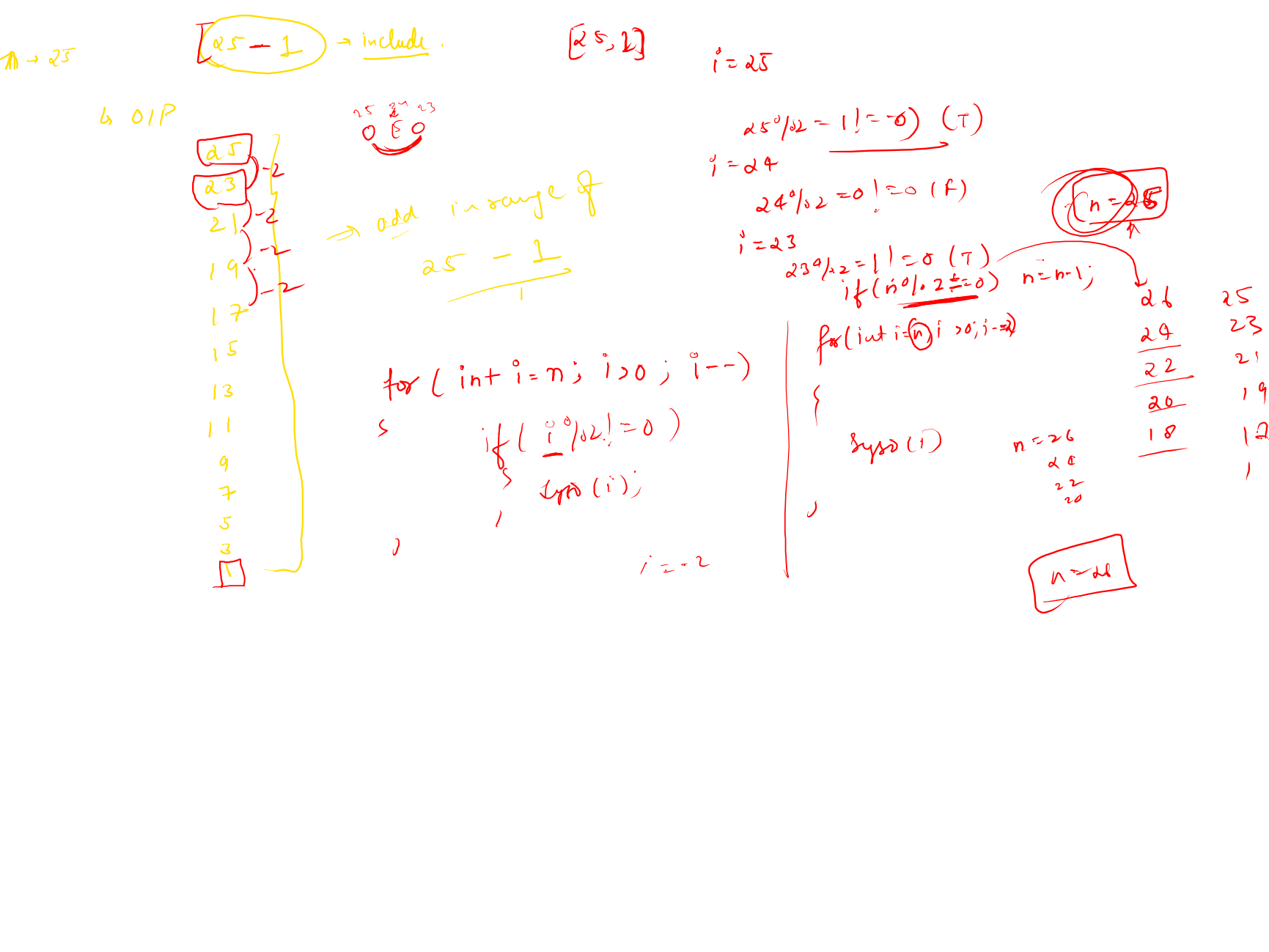
"5x" + i + "=" + 5xi




```
int i = n;
while ( i >= x) {
    Prpo(i);
    i--;
}
```

```
for( int i=n; i>=x; i--)
{

}
```


25 → 25
25 − 1 → include.
[25, 2]
i = 25
o/p
25 24 23
O E O
25
23
21
19
17
15
13
11
9
7
5
3
1
-2
-2
-2
-2
→ add in range of
25 − 1
25%2 − 1 != 0 (T)
i = 24
24%2 == 0 != 0 (F)
i = 23
23%2 = 1 != 0 (T)
if(n%2 != 0) n = n-1;
n = 25
for(int i = n; i > 0; i--)
{
sysout(i)
}
n = 26
24
22
20
n = 24
24
22
20
18
25
23
21
19
17
for (int i = n; i > 0 ; i--)
{
if (i%2 != 0)
{
sysout(i);
}
}
i = -2