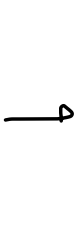


F.b & A

the shape

① - ②

```
int c = a + b;
a = b;
b = c;
```

0 8

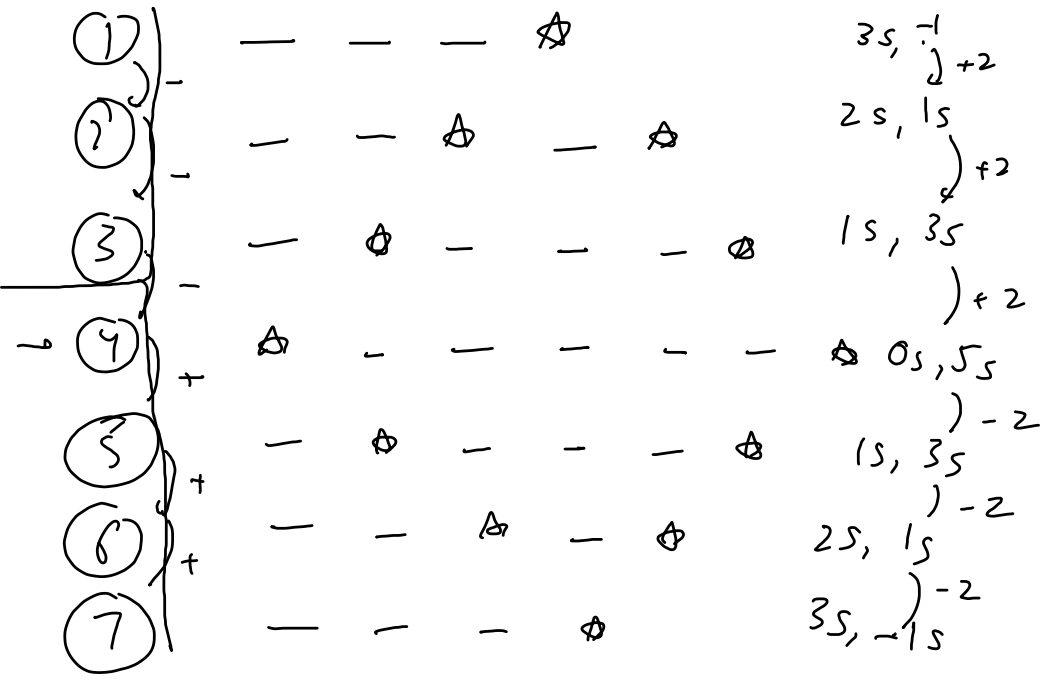
1 13

1 21

2 a

3 c b 34

5




```java
int nos = n / 2;
int nis = -1;
for(int i = 1; i <= n; i++){
    for(int j = 1; j <= nos; j++){
        System.out.print("\t");
    }
    System.out.print("*\t");

    for(int j = 1; j <= nis; j++){
        System.out.print("\t");
    }

    if(i > 1 && i < n){
        System.out.print("*\t");
    }

    if(i <= n / 2){
        nos--;
        nis += 2;
    } else {
        nos++;
        nis -= 2;
    }
    System.out.println();
}
```

$^5C_0 = 1$

$^5C_1 = 5$

$^5C_2 = 10$

$^5C_3 = 10$

^nC_r

$^nC_r = {}^nC_{n-r}$

$^5C_4 = 5$

$^5C_5 = 1$

$^nC_0 = 1$

$^nC_n = 1$

$^nC_{k+1} = {}^nC_k \left(\frac{n-k}{k+1}\right)$

$0 \rightarrow 1$

$1 \rightarrow 1 \quad 1$

$2 \rightarrow 1 \quad 2 \quad 1$

$^nC_1 = {}^nC_0$

$3 \rightarrow 1 \quad 3 \quad 3 \quad 1$ $\quad {}^nC_2 = {}^nC_1$

$4 \rightarrow 1 \quad 4 \quad 6 \quad 4 \quad 1$

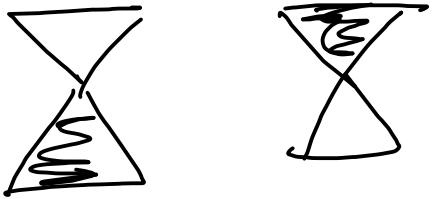
$5 \rightarrow 1 \quad 5 \quad 10 \quad 10 \quad 5 \quad 1$

$0 \quad 1 \quad 2 \quad 3 \quad 4 \quad 5$

→ Same

→ Improvise

→ Originally

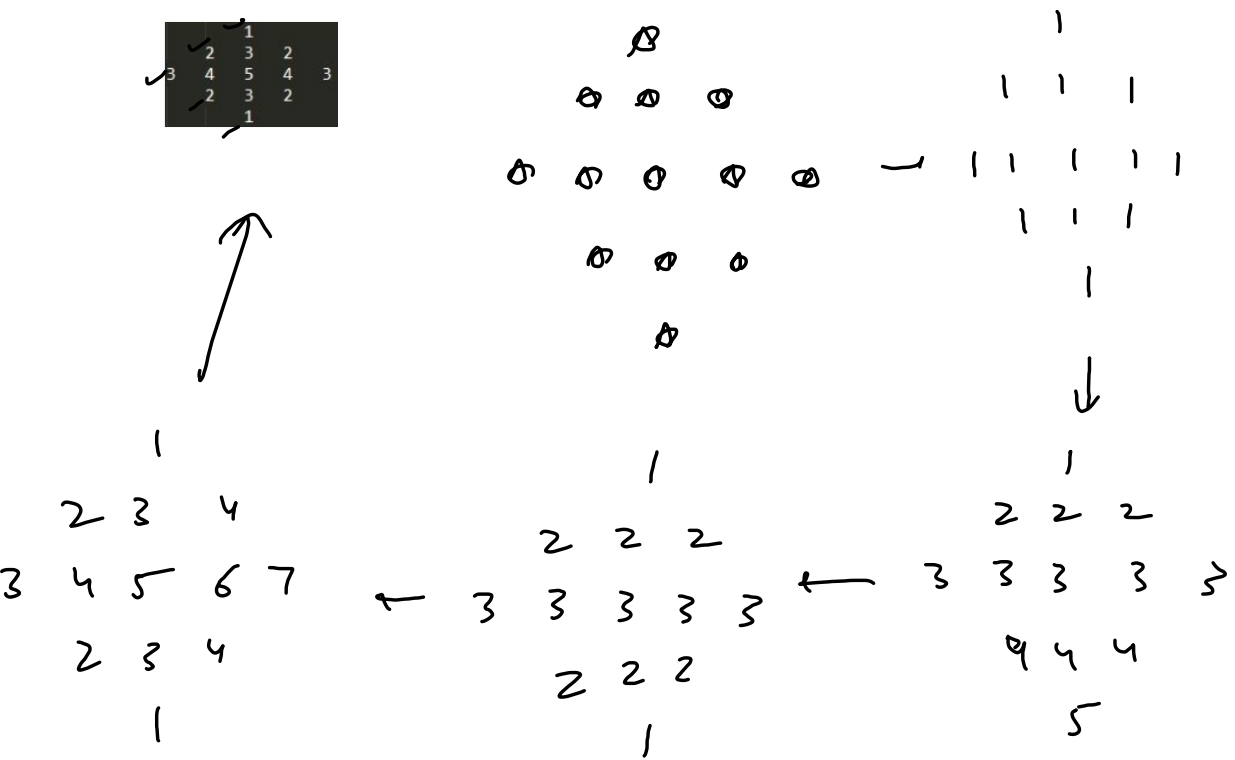


10 → Same

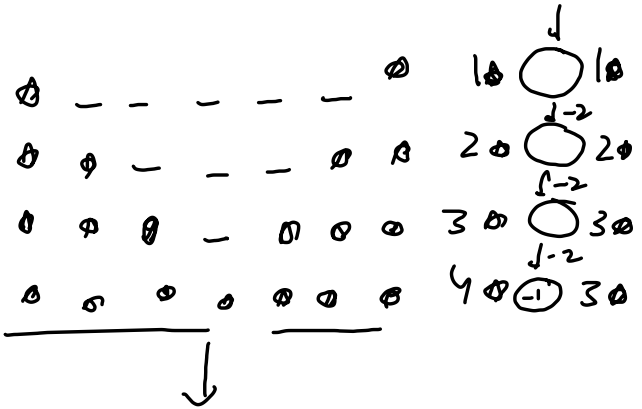
20 → 91

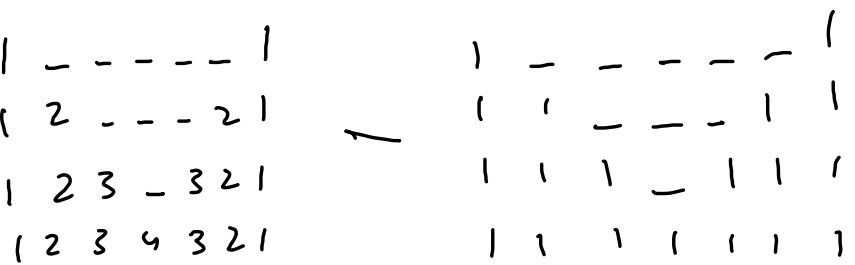
30 → 92

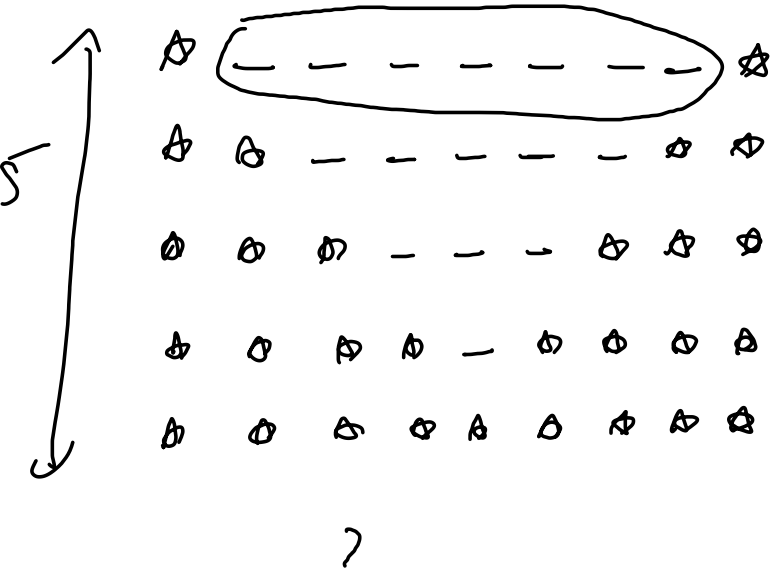
40 → 0

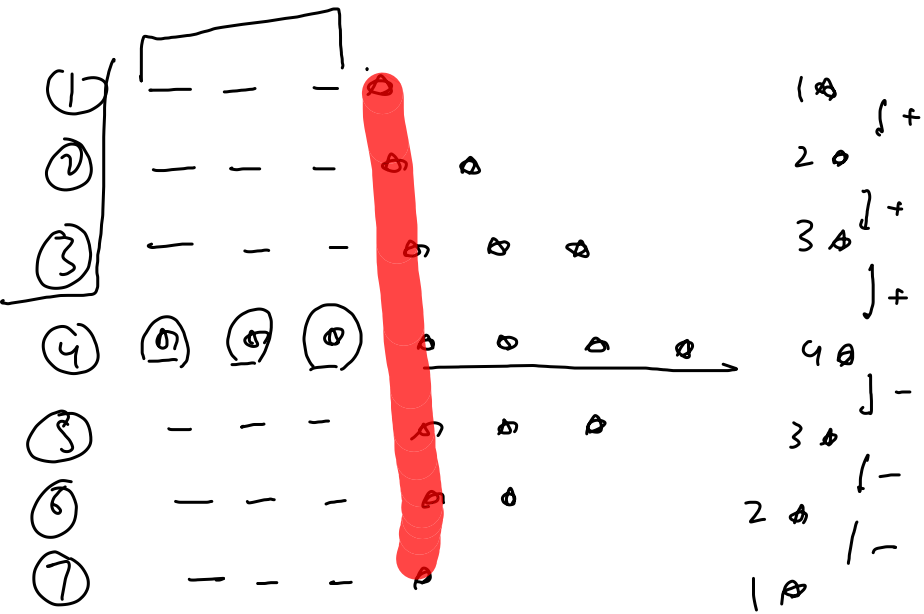


```
1                   1
1   2           2   1
1   2   3   3   2   1
1   2   3   4   3   2   1
```

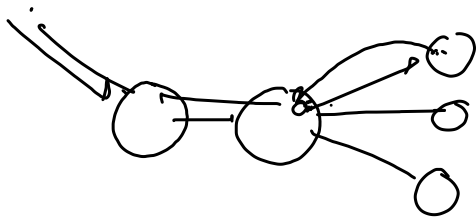







1
2
3
4
5
6
7

1
2
3
4
3
2
1



7 0 0 0 0 0 0 0 0 (1)

5 1 — 0 — — — 0 (2)

3 2 — — 0 — 0 (3)

1 3 — — — 0 (4)

3 2 — — 0 0 0 (5)

5 1 — 0 0 0 0 0 (6)

7 0 0 0 0 0 0 0 0 7