

Pattern Cheat Sheet

Level 4

Q1 : Number Hour glass

N= 4

1234321

12321

121

1

121

12321

1234321

Q2: Alphabet X Pattern

N= 5

A E

B D

C

B D

A E

Q#: Number Diamond with borders

Input: n = 4

Output:

```
1  
1 1  
1 1  
1234321  
1 1  
1 1  
1
```

Q4: Hollow Butterfly pattern

Input: n = 4

Output:

```
*      *  
**    **  
* * * *  
* ** *  
* * * *  
**    **  
*      *
```

Q5: Concentric 0 1 pattern

Input: n = 5

Output:

1 1 1 1 1

1 0 0 0 1

1 0 1 0 1

1 0 0 0 1

1 1 1 1 1

Q6: Concentric Number Matrix

4444444

4333334

4322234

4321234

4322234

4333334

4444444