Star Pattern

Ques 1:
n = 5

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

Ques 2:
n = 5

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

Ques 3:
n = 5

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

Ques 4:
n = 5

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

Ques 5:
n = 5

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

Ques 6:
n = 5

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

Ques 7:
n = 5

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

Ques 8:
n = 5

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

Ques 9:
n = 5

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

Ques 10:
n = 5

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

Ques 11:
n = 5

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

Ques 12:
n = 5

```
            *
         *  !  *
      *  !  *  !  *
   *  !  *  !  *  !  *
*  !  *  !  *  !  *  !  *
```

Ques 13:
n = 5

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

Ques 14:
n = 5

```
                    *
              *     *
        *     *     *
  *     *     *     *
*    *    *    *    *
  *     *     *     *
        *     *     *
              *     *
                    *
```
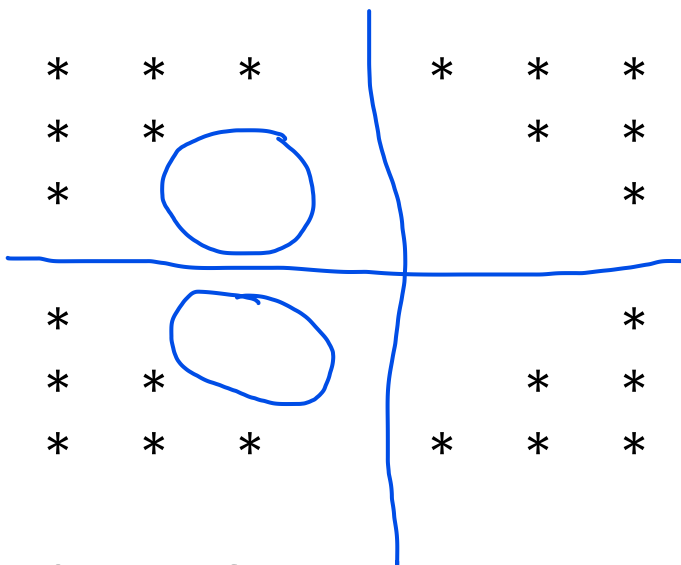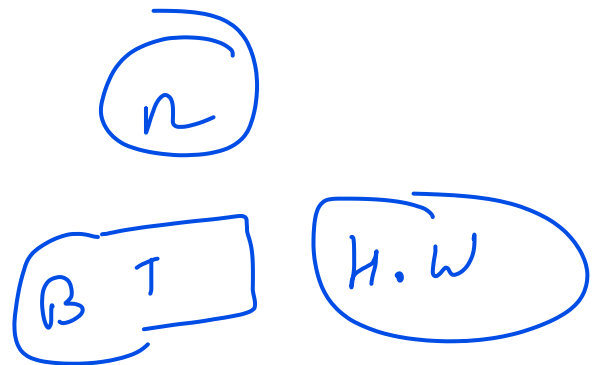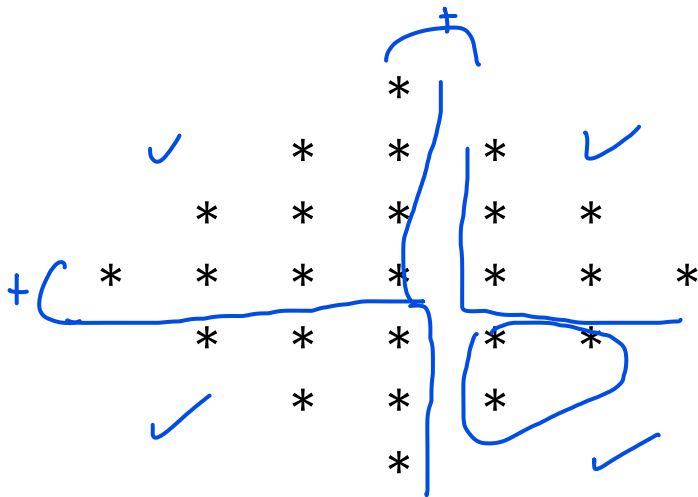
Ques 15:
n = 5

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

Homework

Ques 16:
n = 5

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

Ques 17:
n = 7

```
*   *   *   |   *   *   *
*   *   ( )  |        *   *
*       ( )  |            *
_____
*           |            *
*   *  ( )   |        *   *
*   *   *   |   *   *   *
```

Ques 18:
n = 7

```
            *
    *   *   *   *
        *   *   *   *   *
+ (   *   *   *   *   *   *   *
        *   *   *   *   *
            *   *   *
                *
```

n

B T   H. W

Ques 19:
n = 7

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

google
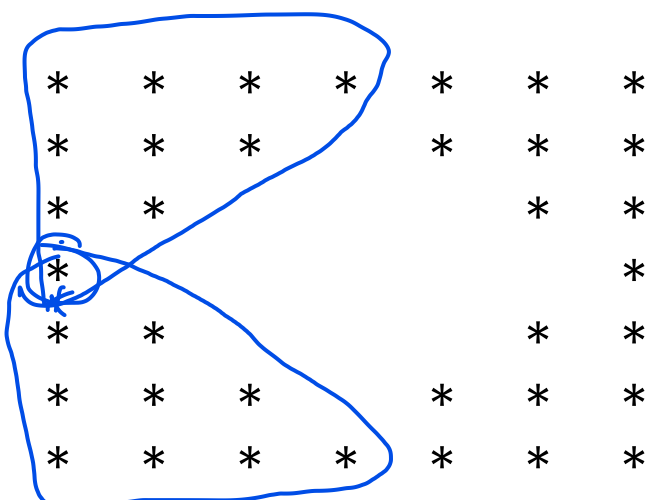
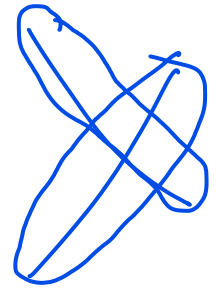## Ques 20:
n = 7

$n - i + 1 = j$

$i = j$

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

Ques 21:
n = 5

common pivot

```
*                           *
*   *                   *   *
*   *   *           *   *   *
*   *   *   *       *   *   *   *
*   *   *   *   *   *   *   *   *
```
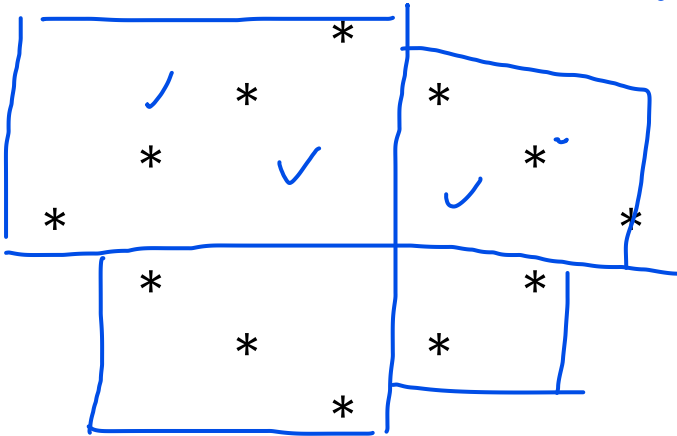
Ques 22:
n = 5

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

Number Pattern

Ques 23:
n = 5

```
                1
            1   1   1
        1   1   1   1   1
    1   1   1   1   1   1   1
1   1   1   1   1   1   1   1   1
```
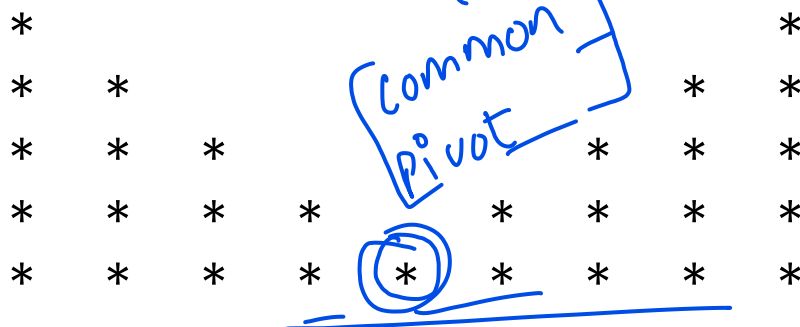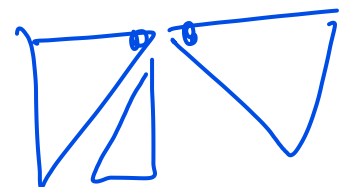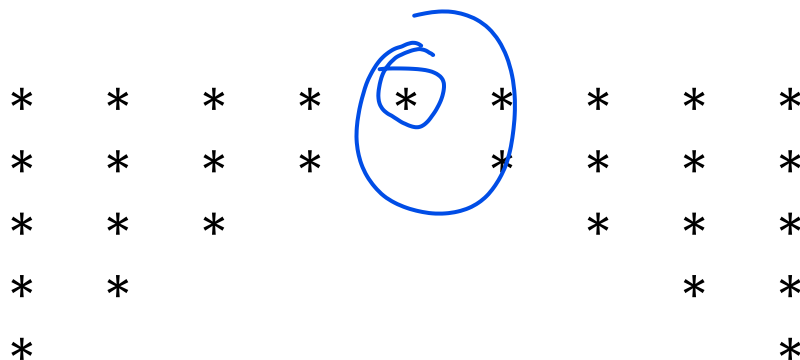
Ques 24:
n = 5

```
                1
            2   2   2
        3   3   3   3   3
    4   4   4   4   4   4   4
5   5   5   5   5   5   5   5   5
```

Ques 25:
n = 5

```
                1
            2   3   4
        5   6   7   8   9
    10  11  12  13  14  15  16
17  18  19  20  21  22  23  24  25
```

int- count=1

Ques 26:

n = 5

```
                      1
                1  2  3
          1  2  3  4  5
       1  2  3  4  5  6  7
    1  2  3  4  5  6  7  8  9
```

$f(int j = 1;$ —

$int j = 1$

B.T.

"j"

$f(\_\_ j \_\_$

cond 2 loop

Ques 27:

n = 5

n = 5

```
1 [                    1
2 [              1  2  1
3 [           1  2  3  2  1
4 [        1  2  3  4  3  2  1
5 [     1  2  3  4  5  4  3  2  1
```

n, i, j ✓

Ques 28:

n = 5

✓

```
1                    1
2              2  3  2
3           3  4  5  4  3
4        4  5  6  7  6  5  4
5     5  6  7  8  9  8  7  6  5
```

Ques 29:

n = 5

```
                j           ✓
                      1
              2    ⓪    2
          3    0    0    0    3
      4    0    0    0    0    0    4
  5   0    0    0    0    0    0    0    5
```
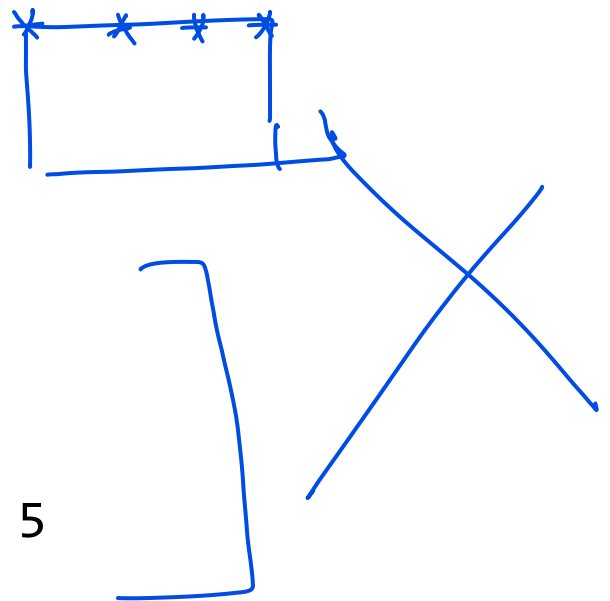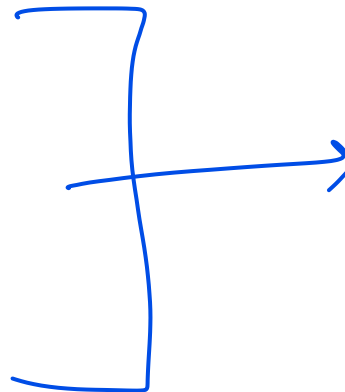
Ques 30:

n = 5

```
5    4    3    2    1
5    4    3    2    1
5    4    3    2    1
5    4    3    2    1
5    4    3    2    1
```

Ques 31:

n = 5

```
5    4    3    2    *
5    4    3    *    1
5    4    *    2    1
5    *    3    2    1
*    4    3    2    1
```

$$n - i + 1 = j$$

Ques 32:

n = 5

```
1
2   *   2
3   *   3   *   3
4   *   4   *   4   *   4
5   *   5   *   5   *   5   *   5
4   *   4   *   4   *   4
3   *   3   *   3
2   *   2
1
```
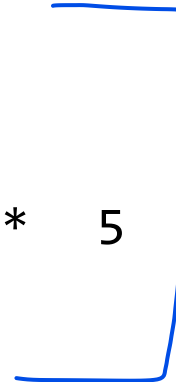
BJ

X

6/0 →

Ques 33:

n = 10

```
                    0
                  9 0 9
                8 9 0 9 8
              7 8 9 0 9 8 7
            6 7 8 9 0 9 8 7 6
          5 6 7 8 9 0 9 8 7 6 5
        4 5 6 7 8 9 0 9 8 7 6 5 4
      3 4 5 6 7 8 9 0 9 8 7 6 5 4 3
    2 3 4 5 6 7 8 9 0 9 8 7 6 5 4 3 2
  1 2 3 4 5 6 7 8 9 0 9 8 7 6 5 4 3 2 1
```

0

P P