Any doubts ??

Q Wildcard matching

Input (s) pattern (p)

? → single character

* → matches any sequence of char.

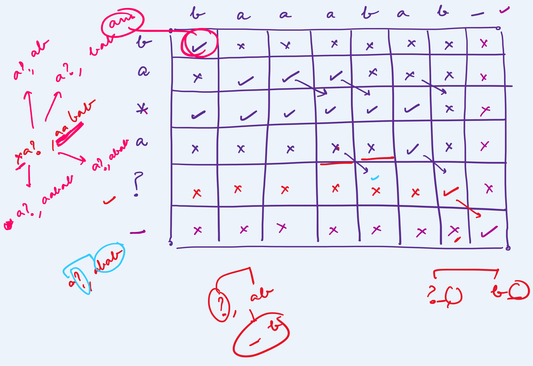
Eg: s = baaabab
p = ba*a?

ans → true

p[0] = s[0]

p[0] == '?'

p[0] == '*'

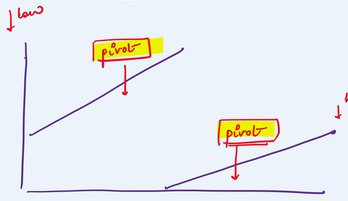


Q Find minimum in rotated sorted array II

[0 1 2 3 4 5 6 7]

→ [4 5 6 7 0 1 2 3]

min ele



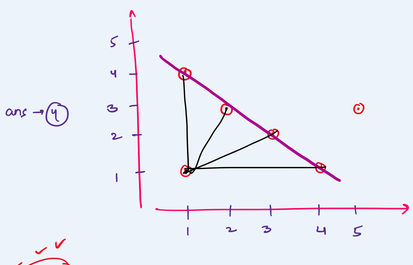
① arr[pivot] < arr[high]
② arr[pivot] > arr[high]
③ arr[pivot] == arr[high]

```
int low = 0;
high = arr.length - 1;

while (low < high) {

    pivot = low + (high - low)/2;
    if (arr[pivot] < arr[high])
        high = pivot;
    else if (arr[pivot] > arr[high])
        low = pivot + 1;
    else
        high -= 1;
}
return arr[low];
```

Q Max points on a straight line



[1, 1]
[3, 2]
[5, 3]
[4, 1]
[2, 3]
[1, 4]

For each point (p), slope with other points. and map → points have the same slope.

(x1, y1), (x2, y2) → $\left(\frac{y_2 - y_1}{x_2 - x_1}\right)$