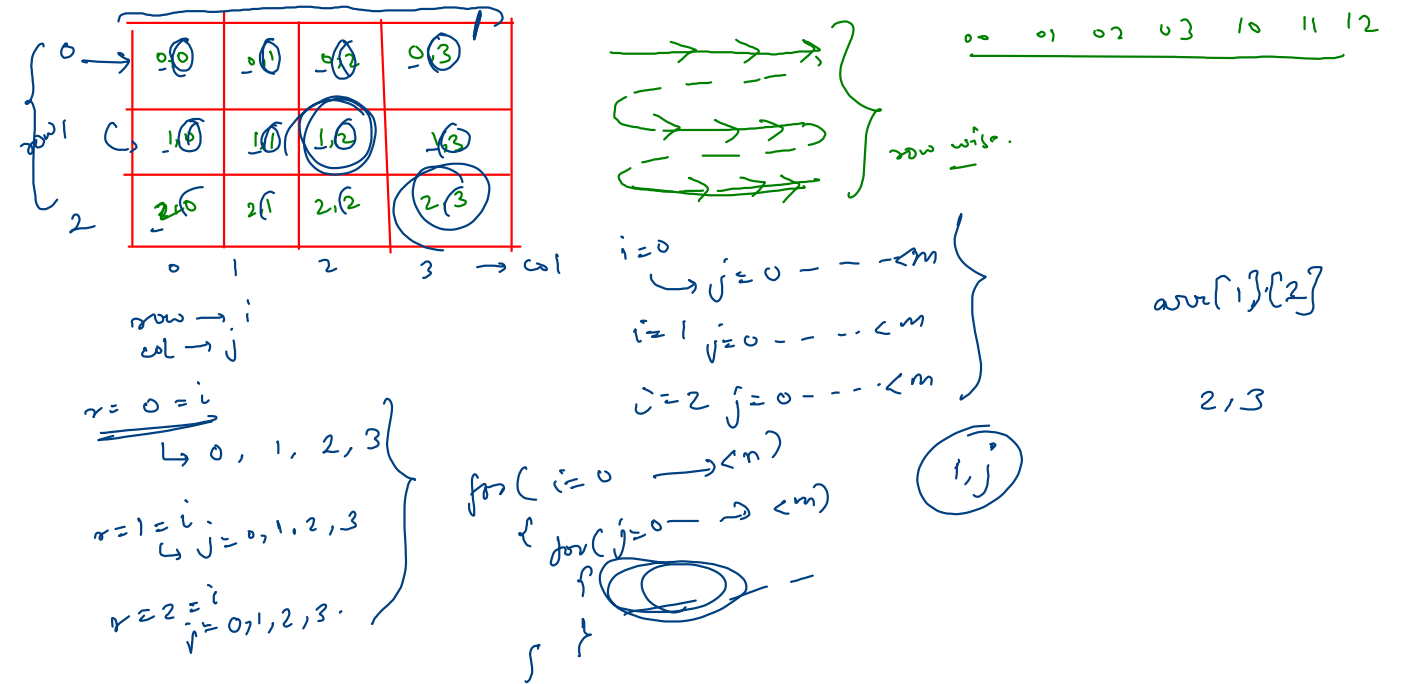
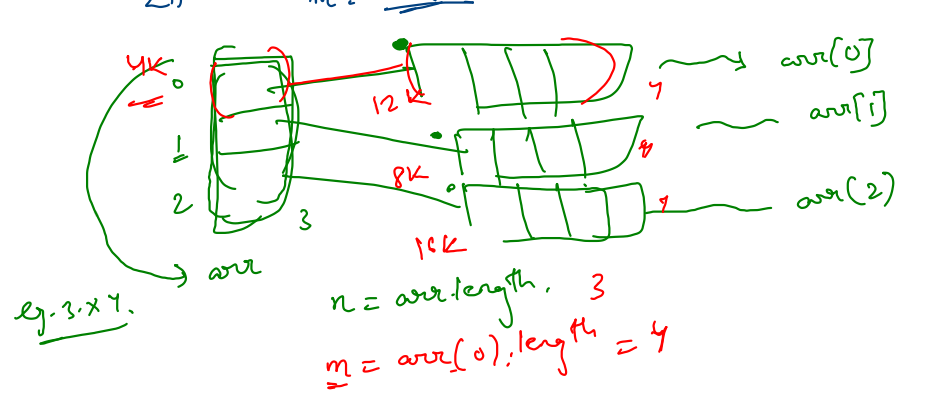
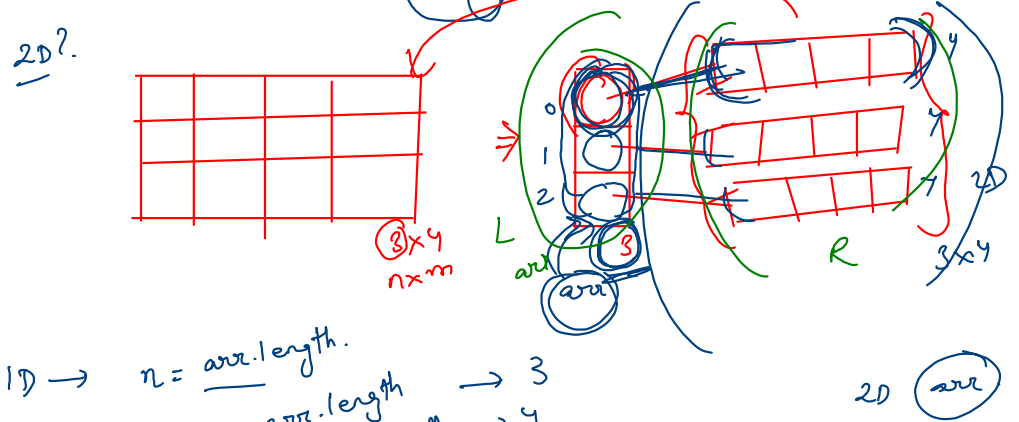


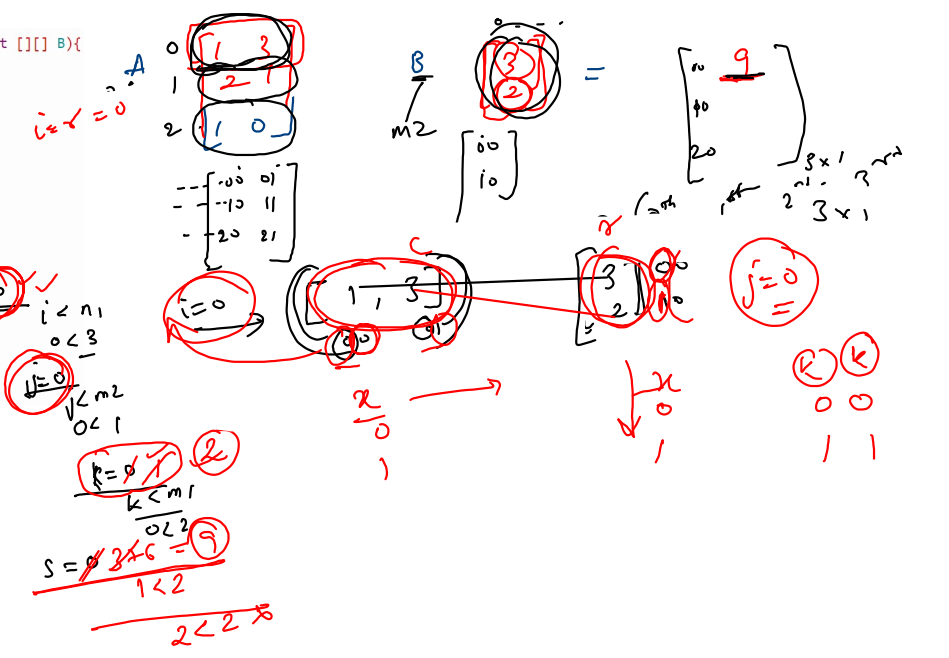
2D.
 Memory.
 1D → 2D → concept → actually 1D.
 @man → character



```
public static int [][] matrixMul(int [][] A, int [][] B){
    int n1 = A.length;
    int m1 = A[0].length;
    int n2 = B.length;
    int m2 = B[0].length;

    int [][] C = new int[n1][m2];

    for(int i = 0; i < n1; i++){
        for(int j = 0; j < m2; j++){
            int sum = 0;
            for(int k = 0; k < m1; k++){
                sum += A[i][k] * B[k][j];
            }
            C[i][j] = sum;
        }
    }
    return C;
}
```



$A(0)(0) = 1 \times B(0) = 3 \Rightarrow 3$
 $A(0)(1) = 3 \times B(1)(0) = 2 \Rightarrow 6$

Matrix Multiplication:

