3. return linear Search Recursion (ars, k, i+1);

Tos (0 - v)

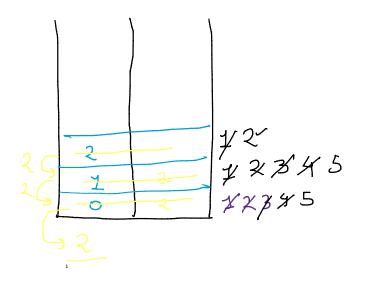
*23

IZB

5-1

[7,8,1,2,3] K=2, K=5 int line ar Search Rec (arr, k, i) & 1. y(i== aro length) ret wn - 1. مز y (ars[i]== k)& netwo i: 3. ut n = linear Search Recursion (ars, k, i+1), XX 345 4. Sout ("Iam recursion" + i); 22345 12345 5 return ni I'm reunion 2 I'm recurs; on I I'm returnion O 1 y (1== 2) Num; Jos it+ し ++) sout ("pre"+i) ++1; 3 linea Stec(++1) Sout ("part" +i) 1× 23 1223 D 1 O TX234 0 Pre Pre D pre o l ユ Pre 124 0 2 trof Sout (i++) Port

n



```
public static int linearSearchRec(int[] arr, int k, int i) {
    if (i == arr.length) return -1;
    if (arr[i] == k) return i;
    int x = linearSearchRec(arr, k, ki + 1);
    Ysystem.out.println("I'm Recursion at " + i);
    return x;
}
```

[7,8,10,1,5] k=10 I'm recursion ct 1 I'm recursion at 0