$$b \rightarrow -b$$
 $a - b = 0$
 $else g$
 $endition$

if (x < 100) {
 System.out.printf("great, number %d given", x);
} else {
 System.out.printf("bad, %d given", x);
}</pre>

XOR =

0	6	a & D
	F T F	F F F
1	7	

AND

10R

212

(a) | b) & b.b.c

 α \Box

 $a \wedge P$ 10 T=0 T=2

$$\left(1+\frac{1}{3}-3\right)=0$$

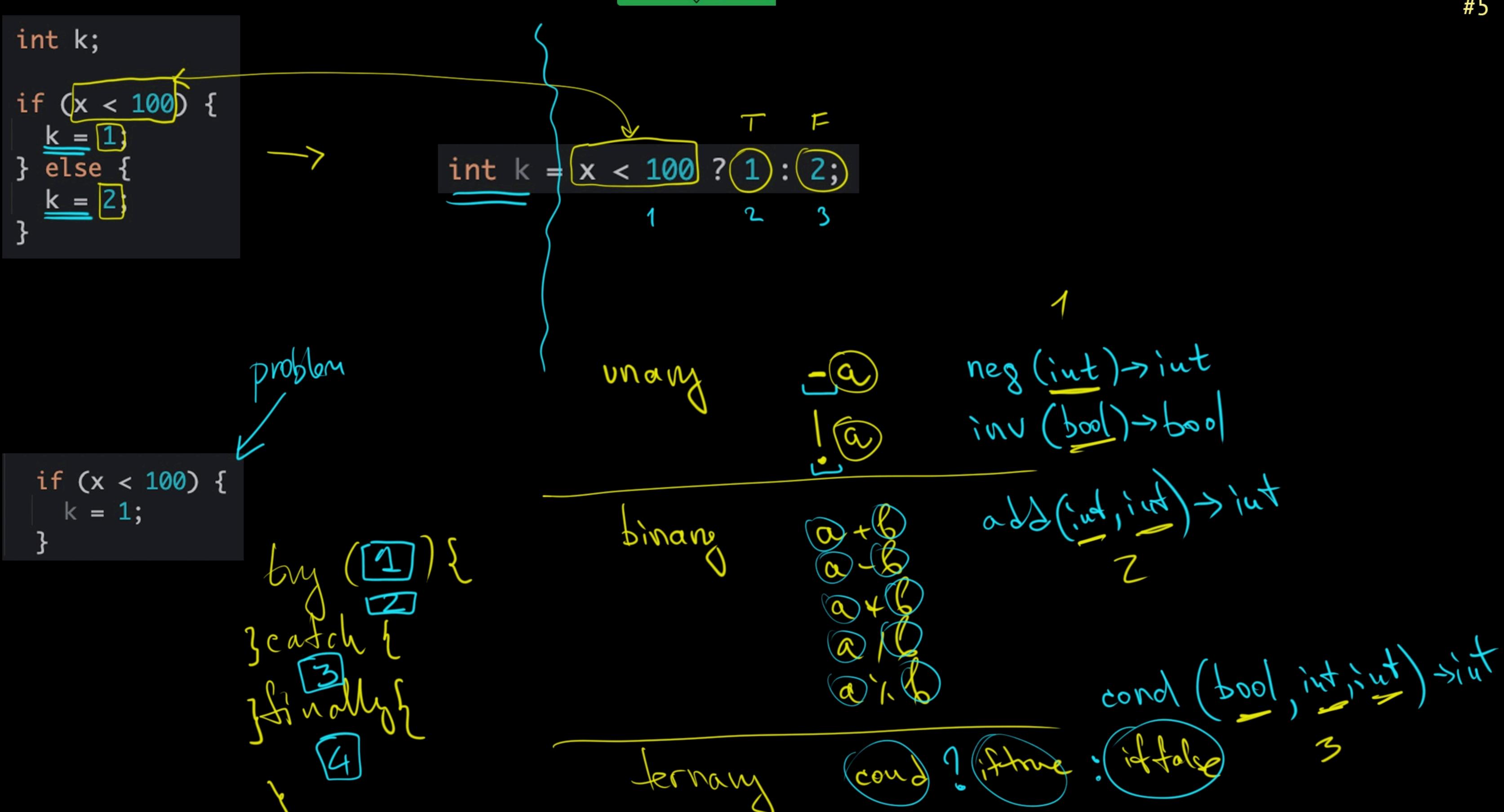
$$(a+6)\cdot c = a\cdot c + b\cdot c$$

```
if (x > 100 && x < 1000) {
   System.out.printf("great, number %d given", x);
} else {
   System.out.printf("bad, %d given", x);
}</pre>
```

fole

```
if (x < 100 && x > 1000) {
   System.out.printf("great, number %d given", x);
} else {
   System.out.printf("bad, %d given", x);
}
```

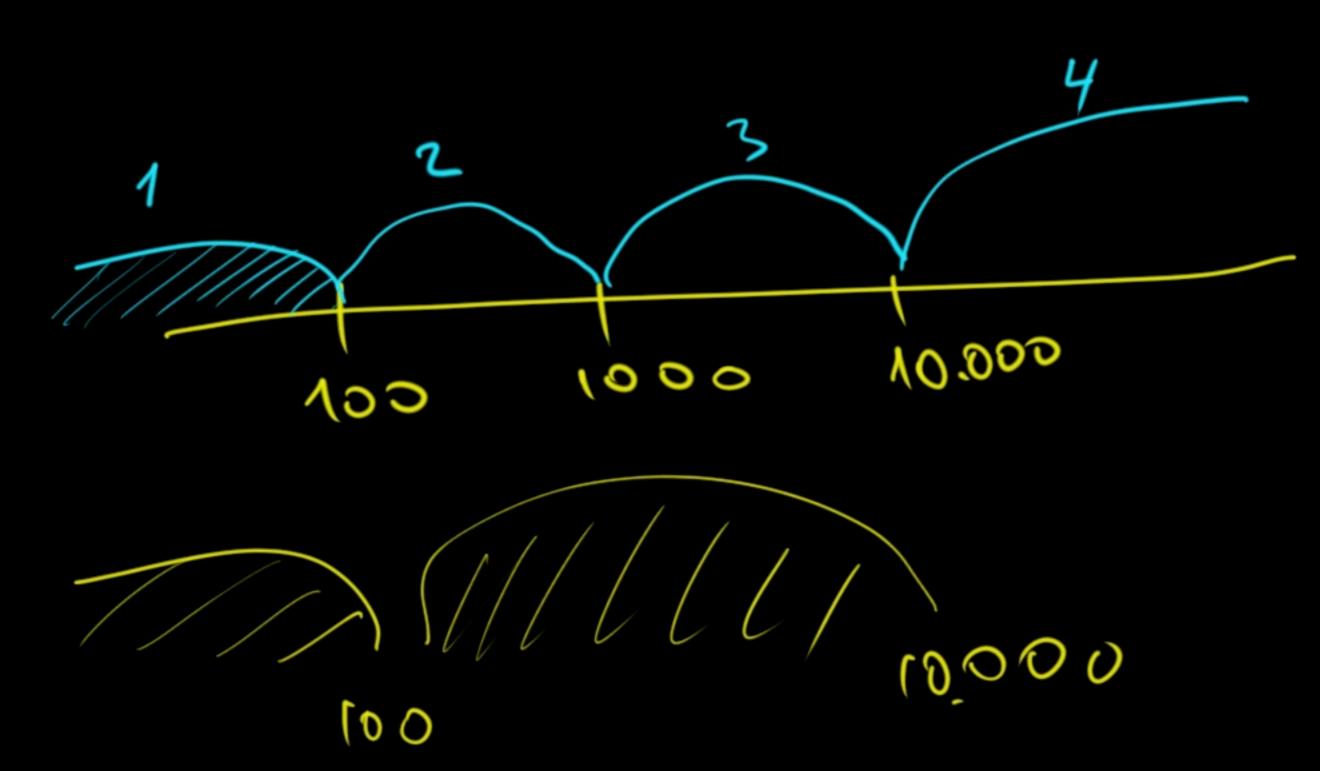
if (x<100 bb x<1000)

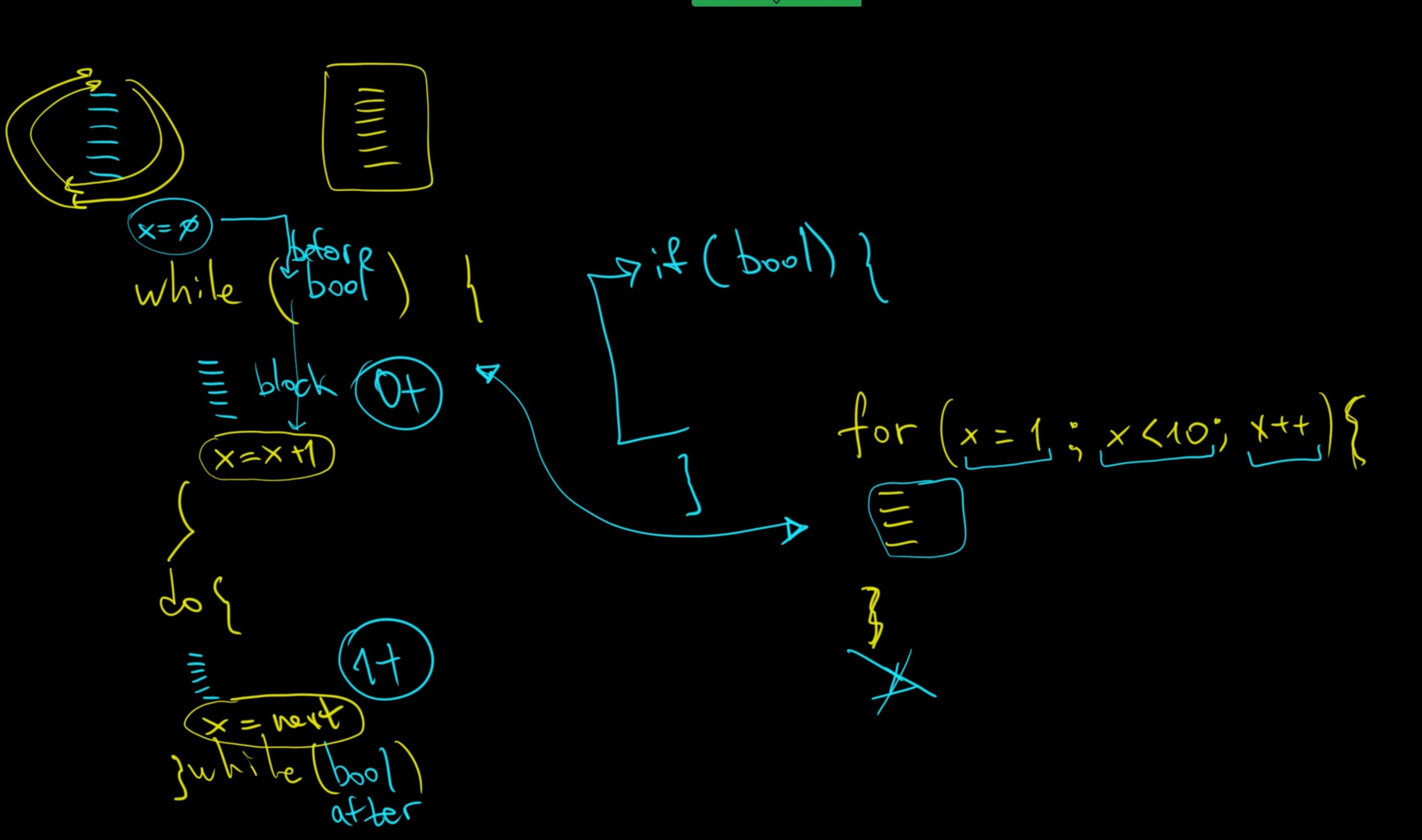


if (x 2100)...

Pelse it (x 21000)...

else it (x 210000)...





```
while (x < 5) {
   System.out.println("hello");
   X++;
}</pre>
```

```
while (true) {
  if (x >= 5) break;
  System.out.println("hello");
  x++;
  //
  if (x % 2 == 0) continue;
  //
  //
  //
}
```

```
for (int i = 1; i <= 5; i++) {
    System.out.println(i);
}</pre>
```

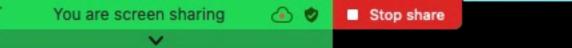
```
int i = 1;
for (; i \le 5; i++) {
        System.out.println(i);
      for (;; i++) {
        if (i > 10) break;
        System.out.println(i);
      for (;;) {
        if (i > 15) break;
        System.out.println(i);
        <u>i</u>++;
```

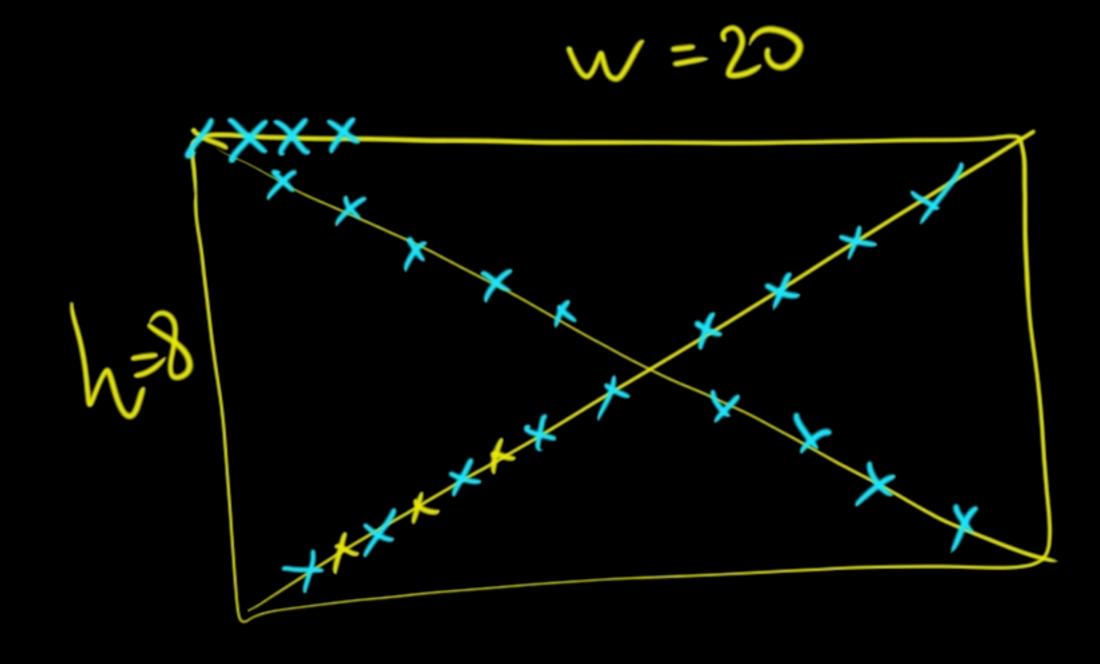
1. sort
2. binary System r
3. recursion
4. Linked list
5. Binary Search
6. Hash
7. Tree
8. Graph; BFS, DFS
9. Lee, A*

#10

```
for (int i = 0; i < 5; i++) {
  for (char j = 'a'; j <= 'd'; j++) {
    System.out.printf("i=%d, j=%s\n", i, j);
  }
}</pre>
```

```
i=0,
i=1
i=1,
     j=b
i=1, j=c
i=2
i=2,
i=2
```





```
for (int y = 0; y < H; y++) {
  for (int x = 0; x < W; x++) {
    char c = x == 0 | | x == W - 1 | |
        y == 0 | | y == H - 1 | | ? '*' : '-';
    System.out.print(c);
}
System.out.println();
}</pre>
```

