1 1+ 0+

Soyle atal 16

History to byte > byte

Bon 128 For f(a) f(a)

Tavalt

Collections 1. fixed size => auto grow	- Arraylist [1]	
2. Special functions To occur	stack	LIFO
add remove size	Queve	FIFO
set is Empty.	Linkedlist	7-57-57
· contains (x) -> boolea	in Priority Duen	1,9,5,3
		Pop

-Set unique

1,2,3,1 = 1,2,3

-Map

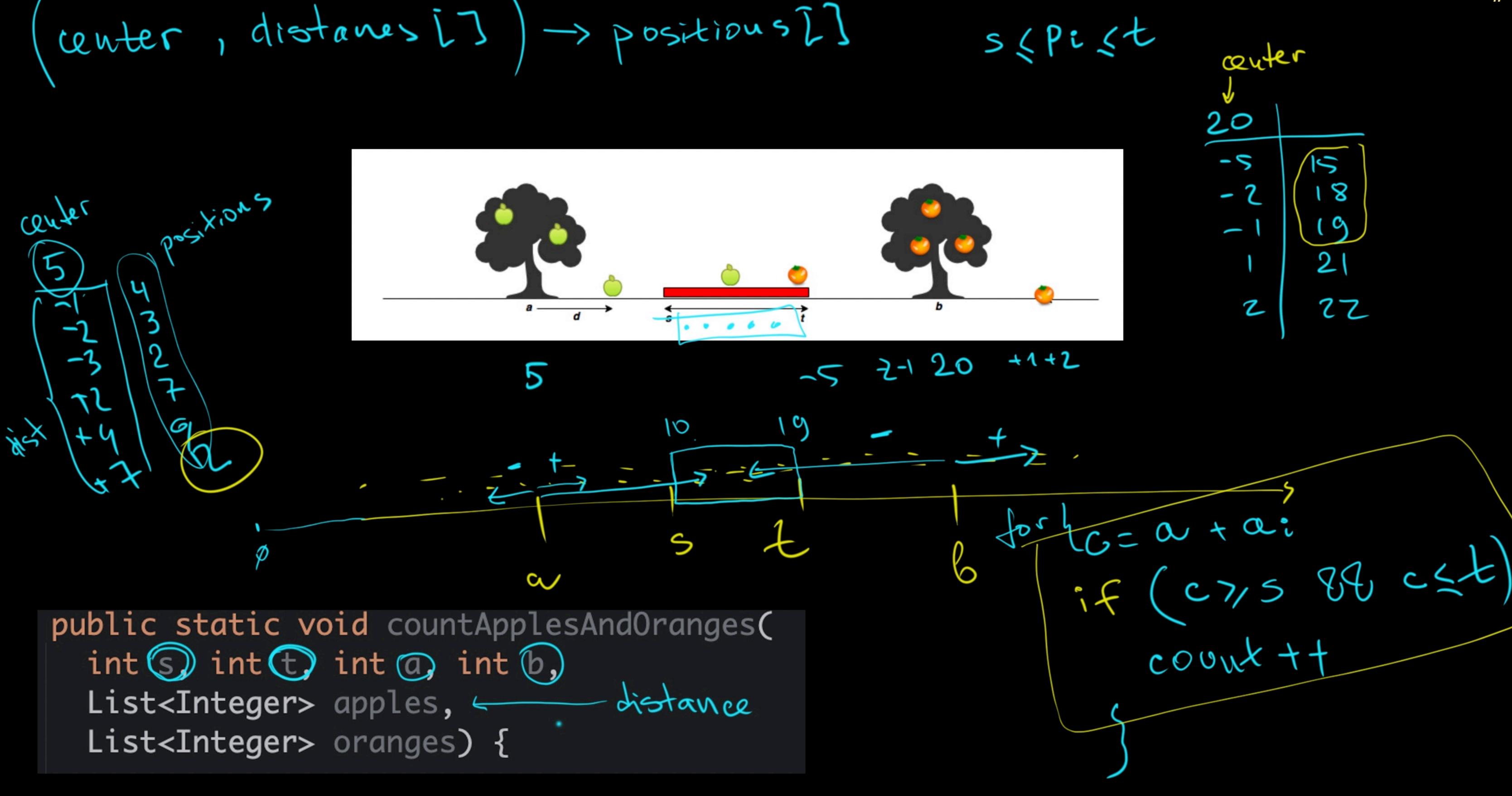
(K) V

0 1,5,7

6 9,2

C

abstract class tinterfaces t generics



```
static boolean isBetween(int x, int l, int r) { return x >= l && x <= r; }</pre>
public static void countApplesAndOranges(
  int s, int t, int a, int b,
  List<Integer> apples,
 List<Integer> oranges) {
                                                                      4: (A,B)->C
  interface Counter {
    int count(int center, List<Integer> distances);
 Counter c = (int center, List<Integer> distances) -> {
    int count = 0;
    for (int distance : distances)
      if (isBetween(x:center + distance, s
    return count;
  };
  int apple_count = c.count(a, apples);
  int orange_count = c.count(b, oranges);
  System.out.printf("%d\n%d\n", apple_count, orange_count);
```

Set 1,2,1 -> 1,2 1,2,1 -> 2,1 >> {1,2} + unique - ordering

[1,7,3,5,9,2]. contains (x) -> 0 (n)
contains (2)

Hachset

, contains

0 (1)

```
#7
```

```
HashSet<Short> xs = new HashSet<>();
for (short i = 0; i < 100; i++) {
    xs.add(i);
    xs.remove(o:i-1);
}
System.out.println(xs.size());</pre>
```

+ t2 -> may (size of (x1), size of (+2), was of (it) long, => long *put, lung => loons int, => int => int int = Short -int Rugh: t & + -> + (x as i32) + (y as i37)