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## Subsets of an Array - Solution | Functions and Arrays | Data Structures and Algorithms in JAVA

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a b c

- - -  
- - c  
- b -  
- b c  
a - -  
a - c  
a b -  
a b c

0	→	0 0 0
1	→	0 0 1
2	→	0 1 0
3	→	0 1 1
4	→	1 0 0
5	→	1 0 1
6	→	1 1 0
7	→	1 1 1



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10, 20

0 → 0 0

1 → 0 1

2 → 1 0

3 → 1 1

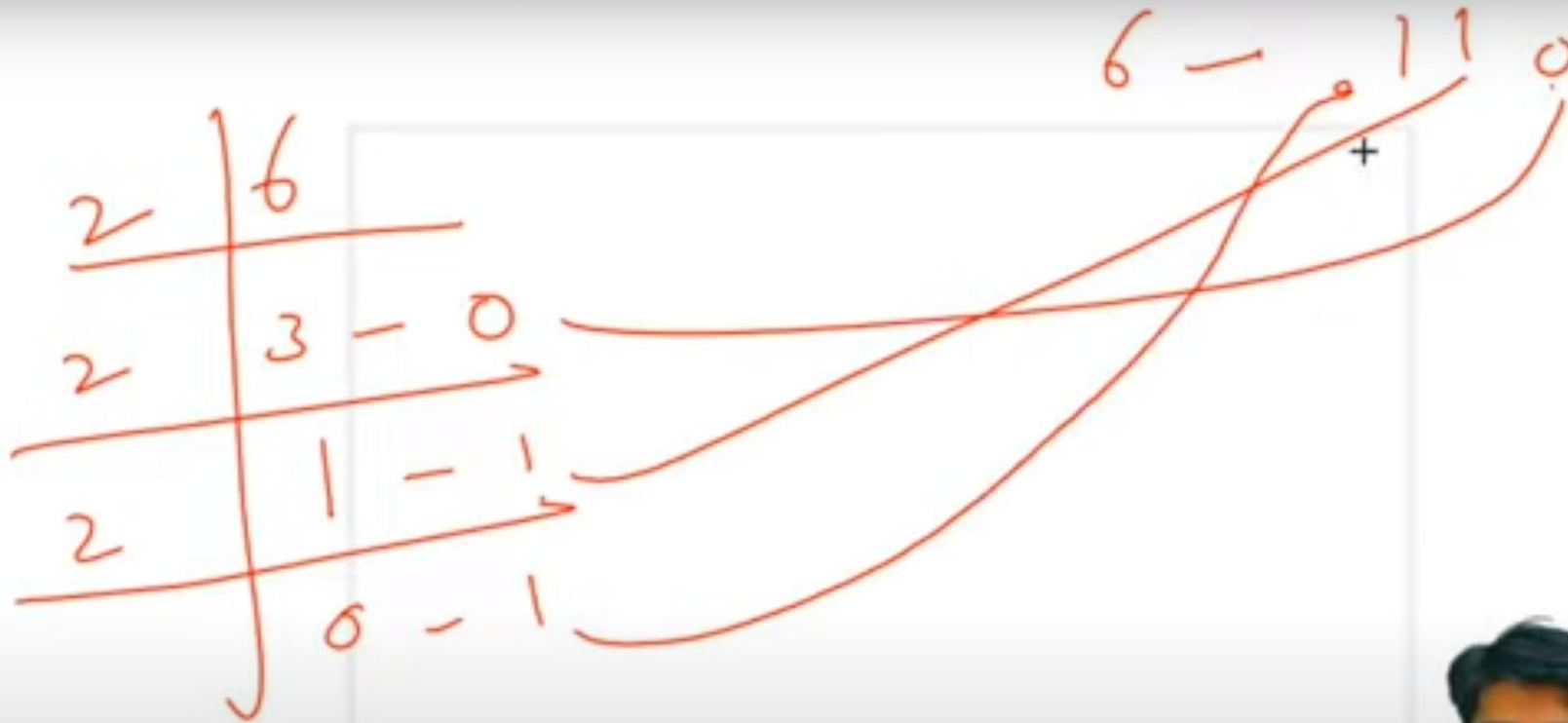
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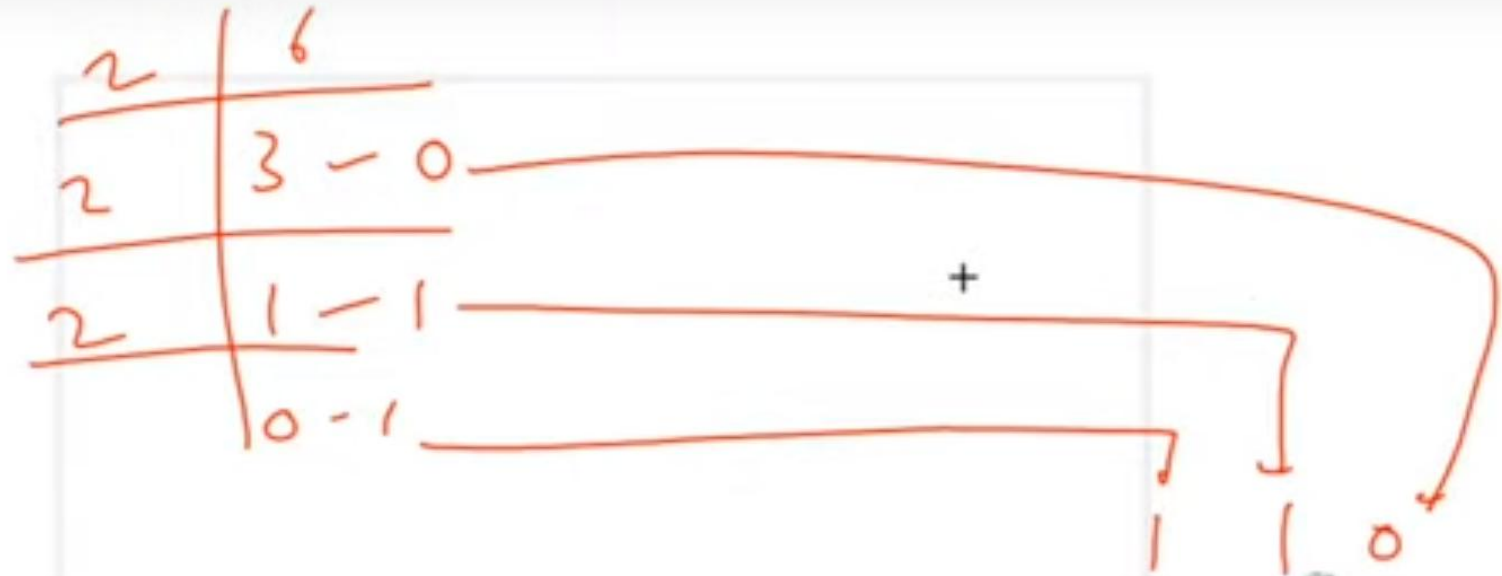
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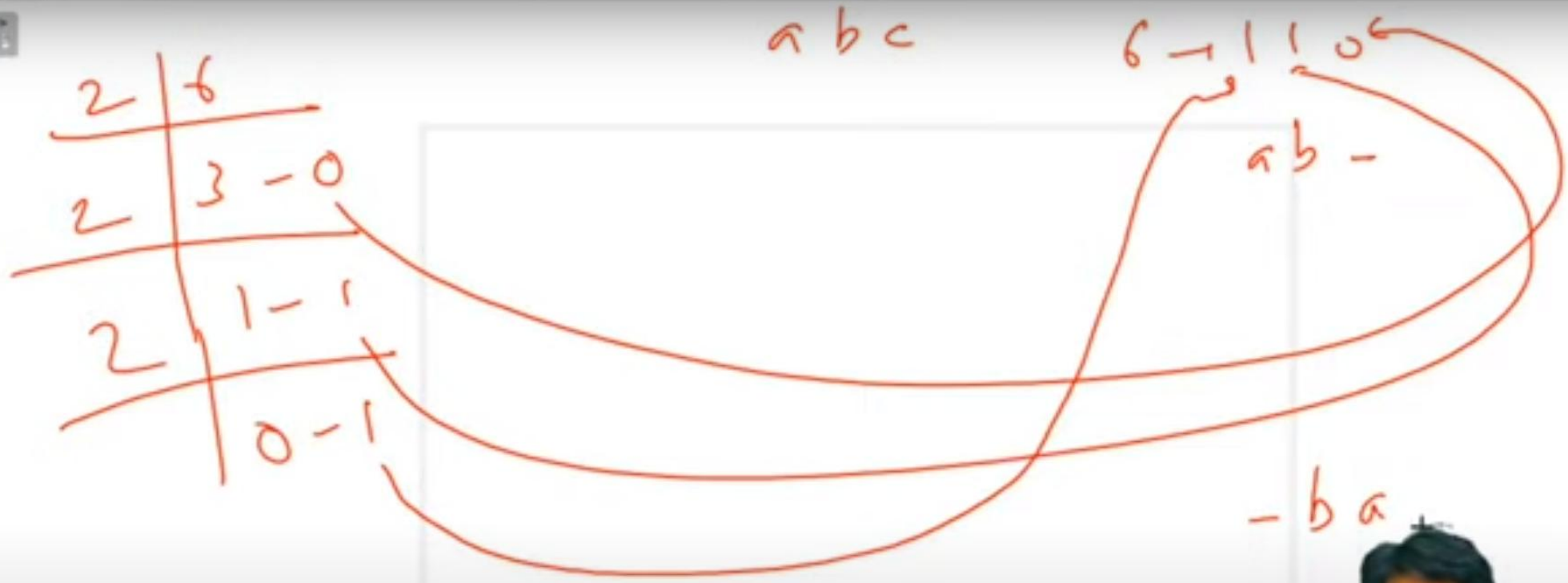
10 -

10 20









6:14 / 10:31



```
for(int j = arr.length - 1; j >= 0; j--){
    int r = i % 2;
    i = i / 2;

    if(r == 0){
        set = "-" + set;
    } else {
        set = arr[j] + set;
    }
}
```

+ a' b' c'  
- a b -

2	6
2	3 - 2
2	1 - 1
	2 - 1

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QUESTION EDITOR JAVA HISTORY SOLUTION STATS

```
1 int[] arr = new int[n];
12 for(int i = 0; i < arr.length; i++){
13     arr[i] = scn.nextInt();
14 }
15
16 int limit = (int)Math.pow(2, arr.length);
17 for(int i = 0; i < limit; i++){
18     String set = "";
19     int temp = i;
20
21     for(int j = arr.length - 1; j >= 0; j--){
22         int r = temp % 2;
23         temp = temp / 2;
24
25         if(r == 0){
26             set = "-\t" + set;
27         } else {
28             set = arr[j] + "\t" + set;
29         }
30     }
31
32     System.out.println(set);
33 }
34 }
35
```

Accepted

```
- - -
- - 3
- 2 -
- 2 3
1 - -
1 - 3
```

Expected Output

```
3
1
2
3
```

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