**The sum problem**

**Time Limit: 5000/1000 MS (Java/Others)    Memory Limit: 32768/32768 K (Java/Others)  
Total Submission(s): 17121    Accepted Submission(s): 5104**

**Problem Description**

Given a sequence 1,2,3,......N, your job is to calculate all the possible sub-sequences that the sum of the sub-sequence is M.

**Input**

Input contains multiple test cases. each case contains two integers N, M( 1 <= N, M <= 1000000000).input ends with N = M = 0.

**Output**

For each test case, print all the possible sub-sequence that its sum is M.The format is show in the sample below.print a blank line after each test case.

**Sample Input**

20 10

50 30

0 0

**Sample Output**

[1,4]

[10,10]

[4,8]

[6,9]

[9,11]

[30,30]

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**Source**

[校庆杯Warm Up](http://acm.hdu.edu.cn/search.php?field=problem&key=%D0%A3%C7%EC%B1%ADWarm+Up&source=1&searchmode=source)

**Recommend**

linle   |   We have carefully selected several similar problems for you:  [2065](http://acm.hdu.edu.cn/showproblem.php?pid=2065) [1161](http://acm.hdu.edu.cn/showproblem.php?pid=1161) [1238](http://acm.hdu.edu.cn/showproblem.php?pid=1238) [1708](http://acm.hdu.edu.cn/showproblem.php?pid=1708) [1418](http://acm.hdu.edu.cn/showproblem.php?pid=1418)