

Problem

In NASA, two researchers, Mathew and John, started their work on a new planet, but while practicing research they faced a mathematical difficulty. In order to save the time they divided their work.

So scientist Mathew worked on a piece and invented a number computed with the following formula:

A Mathew number is computed as follows using the formula:

$$H(n) = n(2n-1)$$

And scientist John invented another number which is built by the following formula which is called John number.

$$T(n) = n(n+1)/2$$

Now Mathew and John are jumbled while combining their work. Now help them combine their research work by finding out number in a given range that satisfies both properties. Using the above formula, the first few Mathew-John numbers are:

1 6 15 28 ...

Input Format:

Input consists of 3 integers T1,T2,M separated by space . T1 and T2 are upper and lower limits of the range. The range is inclusive of both T1 and T2. Find Mth number in range [T1,T2] which is actually a Mathew-John number.

Line 1	T1 T2 M,where T1 is upper limit of the range, T2 is lower limit of the range and M ,where Mth element of the series is required
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Constraints:

$$0 < T1 < T2 < 1000000$$

Output Format:

Print Mth number from formed sequence between T1 and T2(inclusive).

Line 1	<p>For Valid Input,print</p> <p>Print Mth number from formed sequence between T1 and T2</p> <p>Or</p> <p>No number is present at this index</p> <p>For Invalid Input,print</p> <p>Invalid Input</p>
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Sample Input and Output

SNo.	Input	Output
1	90 150 2	120
2	20 80 6	No number is present at this index
3	-5 3 a	Invalid Input