Count Squares

Consider a sample space S consisting of all perfect squares starting from 1, 4, 9 and so on. You are given a number **N**, you have to output the number of integers less than N in the sample space S.

Example 1:

Input :
N = 9
Output:
2
Explanation:
1 and 4 are the only Perfect Squares
less than 9. So, the Output is 2.

```python
def countSquares(self, N):
        # code here
        start = 1
        end = N
        ans = 0
        while start<=end:
            mid = (end+start)//2
            if mid*mid==N:
                return mid-1
            elif mid*mid>N:
                end = mid-1
            elif mid*mid<N:
                ans = mid
                start = mid+1
        return ans
```