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	AISHWARYA	J BEEF
	Roll Number KUB23EEE001	JB
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F001 A	Max is planning to take part in a Diwali contest at a Diwali Party that will begin at 8 PM and will run until midnight (12 AM) i.e., for 4 hours. He also needs to travel to the party venue within this time which takes him P minutes. The contest comprises of N problems that are arranged in order of difficulty, with problem 1 being the simplest and problem N being the most difficult. Max is aware that he will require 5*i minutes to solve the i th problem.	23EEE00
	Note: Max will leave his home at exactly 8 PM to reach the party venue.	:001 KUR
KUB235	Input Format:	
42,	input1: An integer value N, representing the total number of problems.	2366
3EEE00	input2: An integer value P, Representing the time to travel in minutes from his home to the party venue.	- No
36.	Example:	(£001)
. Q	Input:	,EV
ON FIRE	6	
)	180	31/2/11/18
LE C	Output:	V
82'3	4	WH.
	Explanation:	203/2
1	The amount of time left to solve the problems is 4*60-180=60 mins.	
	1st Problem - 5 mins, Time left = 60-5=55 mins	03HK
	2nd Problem - 10 mins, Time left = 55-10=45 mins	A. A
	3rd Problem - 15 mins, Time left = 45-15=30 mins	

4th Problem - 20 mins, Time left = 30-20=10 mins

5th Problem - 25 mins

Logo

Source Code:

```
def max_problems_solved(N, P):
    # Total available time for solving problems (240 minutes minus travel time)
    remaining_time = 240 - P
    # Initialize counters for time and problems solved
    time\_spent = 0
    count = 0
    # Iterate over problems from 1 to N
    for i in range(1, N + 1):
        # Time to solve the ith problem
        time_to_solve = 5 * i
        # Check if there's enough time left to solve this problem
        if time spent + time to solve > remaining time:
            break # Max can't solve more problems
        # Update the time spent and count of problems solved
        time_spent += time_to_solve
        count += 1
    return count
N=int(input())
P=int(input())
result=max_problems_solved(N,P)
print(result)
```

RESULT

5 / 5 Test Cases Passed | 100 %

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