0	<b>₽</b> Logo	
99	STUDENT REPORT OF THE PORT OF	173C500°
3R23C.	DETAILS  ANANYA  ANANYA	,500,38kn
SSO	Roll Number	J SCS
,	SEXPERIMENT  Fitle  Diwali contest  Description  ARAPAGEORG  ARAPA	
3/		,5009 3BIE
305009	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 <b>P</b> minutes. The contest comprises of <b>N</b> 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 <sup>th</sup> problem.	\$ R. 3 C. S.
100 3BP		6000
	Note: Max will leave his home at exactly 8 PM to reach the party venue.	3
223°	Input Format:	. 27
	input1: An integer value N, representing the total number of problems.	100 3p.
305000	input2: An integer value P, Representing the time to travel in minutes from his home to the party venue.	3
3	Example:	2R2303
	Input:	5
100 3BR	6	-0
20	180	36500
	Output:	ÿ
82230	4	65
	Explanation:	\$ 19 m
	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	86 J
	2nd Problem - 10 mins, Time left = 55-10=45 mins	P. B. O. S.
	3rd Problem - 15 mins, Time left = 45-15=30 mins	
	4th Problem - 20 mins, Time left = 30-20=10 mins	

5th Problem - 25 mins

200

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
    \mbox{\tt\#} 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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