| | Logo | |
|--|--|-------------------|
| (echiete | STUDENT REPORT AND SELECTION OF THE SELE | <u> </u> |
| 5 | TAILS LET LE LOS LEMPETES TELLES TELL | TEMP! |
| EFF | P MUZAMIL Roll Number | |
| Titl | Description 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 | LEE LOSS L |
| ************************************** | is aware that he will require 5*i minutes to solve the i th problem. Your task is help Max find and return an integer value, representing the number of problems Max can solve and reach the party venue within the given time frame of 4 hours. Note: Max will leave his home at exactly 8 PM to reach the party venue. Input Format: | Job TEN |
| \$Tech.E | input1: An integer value N, representing the total number of problems. input2: An integer value P, Representing the time to travel in minutes from his home to the party venue. | LEMPR |
| 65 LEM | Example: Input: | S SEE SO |
| echtet | 6 180 Output: | S. Sales |
| (EMPS) | 4 Explanation: | \$\text{\$\phi\$} |
| | 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 | Je Balder |
| | 2nd Problem - 10 mins, Time left = 55-10=45 mins 3rd Problem - 15 mins, Time left = 45-15=30 mins | Refined. |
| | 4th Problem - 20 mins, Time left = 30-20=10 mins 5th Problem - 25 mins | , & |

Source Code:

def max_problems_solved(N,P):
 remaining_time=240-P #total time solving 240 min
 time_spent=0
 count=0
 for i in range(1,N+1):
 time_to_solve=5*i
 if time_spent+time_to_solve > remaining_time:
 break
 time_spent+=time_to_solve
 count+=1

 return count
N=int(input())
P=int(input())
result=max_problems_solved(N,P)
print(result)

RESULT

FFFOO

LEMPH

COS TELE

& ec,

5 / 5 Test Cases Passed | 100 %

Steel Steel

,063

28× (

N. A.S.

N. K.

EM

97.EX