STUDENT REPORT

DETAILS

Name

N HARISHA

Roll Number

TEMPBTech-ECE024

EXPERIMENT

Title

PIZZA PARTY

Description

Angela has decided to throw a pizza party. she has ordered N number of pizzas to be served to her N number of friends. In this way, she will be serving only one pizza to each friend.

She now wants to invite fewer people to her party in order to provide more pizzas per person. But at the same time, she wants to ensure that there are at least Y friends at her party.

Your task is to help Angela find and return an integer value, representing the sum of digits of the minimum number of friends that she can invite to the party, ensuring that each person gets an equal number of pizzas

Sample Input:

100 17

Sample Output:

2

Explanation:

N=100, Y=17

For Y=20 each friend gets 5 pizzas. So sum of digits of 20 is 2.

Source Code:

```
def sum_of_digits(n):
    return sum(int(digit) for digit in str(n))

def minimum_friends(N, Y):
    for F in range(Y, N + 1):
        if N % F == 0:
            return sum_of_digits(F)

N, Y = 100, 17
result = minimum_friends(N, Y)
print(result)
```

RESULT