



Difficulty: Easy Accuracy: 49.91% Submissions: 224K+ Points: 2

Given an array A[] of positive integers of size N, where each value represents the number of chocolates in a packet. Each packet can have a variable number of chocolates. There are M students, the task is to distribute chocolate packets among M students such that:

- 1. Each student gets exactly one packet.
- 2. The difference between maximum number of chocolates given to a student and minimum number of chocolates given to a student is minimum.

## Example 1:

## Input:

N = 8, M = 5

 $A = \{3, 4, 1, 9, 56, 7, 9, 12\}$ 

Output: 6

**Explanation:** The minimum difference between maximum chocolates and minimum chocolates is 9 - 3 = 6 by choosing following M packets :{3, 4, 9, 7, 9}.

## Example 2:

## Input:

N = 7, M = 3

 $A = \{7, 3, 2, 4, 9, 12, 56\}$ 

Output: 2

Explanation: The minimum difference between maximum chocolates and minimum chocolates is 4 -























