|  | Practice  |                                     |   |                  |        |                | Tracks -  |                     |
|--|---|-------------------------------------|---|------------------|--------|----------------|---|---------------------|
|  | (/)   | • M. Darfila (later as // as ab and |   |                  |        |                | (https://pra<br>/tracks/)   | actice.geeksforgeek |
| Popular Company Tags   | 7 -   | My Profile (https://auth.ge         |   |                  |        |                | Leaderboard (Overall) (Vrankir<br>(https://pra                        | ng.php)             |
| - Amazon (/company/Amazon/)  | Chocolate Distribution Problem Submissions: 19294 (Iproblem submissions) Submissions: 19294 (Iproblem submissions)  |                                     |   |                  |        |                |   |                     |
| - Microsoft (/company/Microsoft/)  | (https://practice.geeksforge  | eks.org/Basic/0/0/) Marks: 1        | CCCIPICY: 40.0270 Difficulty. Basic             | p                |        |                |   | 풍                   |
| Oracle (/company/Oracle/)  | (/topics/Arrays/) (/topics/S  | orting/) Show Topic Tags            |   |                  |        |                | lokeshsakamoori<br>(https://auth.geeksforgeeks.org                    |                     |
| - Samsung (/company/Samsung/)  |   | Flipkart (/company/Flipkart         |   |                  |        |                |   | LIVE                |
| - Adobe (/company/Adobe/) - Synopsys (/company/Synopsys/)                          | Given an array <b>A</b> of positive integers of size <b>N</b> , where each value represents number of chocolates in a packet. Each packet   |                                     |   |                  |        |                | Kumar Utsav<br>(https://auth.geeksforgeeks.org/user/Kumar             | 8                   |
| Infosys (/company/Infosys/)  | can have variable number of chocolates. There are <b>M</b> students, the task is to distribute chocolate packets such that:   |                                     |   |                  |        |                | Utsav/practice/)  |                     |
| — Cisco (/company/Cisco/)  | Each student gets one packet.     The difference between the number of chocolates given to the students having packet with maximum chocolates and   |                                     |   |                  |        |                | heeratsingh (https://auth.geeksforgeeks.org                           | 8                   |
| <ul> <li>Wipro (/company/Wipro/)</li> <li>Ola-Cabs (/company/Ola-Cabs/)</li> </ul> | student having packet with minimum chocolates is minimum.   |                                     |   |                  |        |                | /user/heeratsingh/practice/)  |                     |
| - Morgan-Stanley (/company   | Input:  |                                     |   |                  |        |                | rutvik29 (https://auth.geeksforgeeks.org<br>/user/rutvik29/practice/) | 8                   |
| /Morgan-Stanley/)  | The first line of input contains an integer T, denoting the number of test cases. Then T test cases follow. Each test case  |                                     |   |                  |        |                | SaravananMoorthi  | 6                   |
| - Goldman-Sachs (/company  | consists of three lines. The first line of each test case contains an integer <b>N</b> denoting the number of packets. Then next line contains <b>N</b> space separated values of the array A denoting the values of each packet. The third line of each test case contains |                                     |   |                  |        |                | (https://auth.geeksforgeeks.org<br>/user/SaravananMoorthi/practice/)  |                     |
| /Goldman-Sachs/)   |   | m denoting the no of students.      |   |                  |        |                | DheerajNagpal   | 3                   |
| show more (/company-tags)  | Output:   |                                     |   |                  |        |                | (https://auth.geeksforgeeks.org<br>/user/DheerajNagpal/practice/)     |                     |
| Popular Topic Tags   | poular Topic Tags For each test case in a new line print the minimum difference.  |                                     |   |                  |        |                |   |                     |
| Maths (/topics/maths/)   | Constraints:  |                                     |   |                  |        |                | Recent Comments (/recentComm  | nents nhn)          |
| Array (/topics/array/)   | 1 <= T <= 100<br>1 c=Nc= 107  |                                     |   |                  |        |                | Tradalit Collinsia (Francisco   | юню.рпру            |
| Dynamic-Programming (/topics   | 1 <=N<= 10 <sup>7</sup><br>1 <= A <sub>i</sub> <= 10 <sup>18</sup>  |                                     |   |                  |        |                |   |                     |
| /Dynamic-Programming/)  Greedy-Algorithm (/topics/Greedy-                          | 1 <= M <= N   |                                     |   |                  |        |                |   |                     |
| Algorithm/)  | Example:  |                                     |   |                  |        |                |   |                     |
| Hashing (/topics/hashing/)   | Input:  |                                     |   |                  |        |                |   |                     |
| Tree (/topics/tree/)   | 2<br>8  |                                     |   |                  |        |                |   |                     |
| <ul> <li>Bit-Algorithm (/topics/bit-<br/>algorithm/)</li> </ul>                    | 3 4 1 9 56 7 9 12   |                                     |   |                  |        |                |   |                     |
| - Matrix (/topics/matrix/)   | 5   |                                     |   |                  |        |                |   |                     |
| Backtracking (/topics  | 7<br>7 3 2 4 9 12 56  |                                     |   |                  |        |                |   |                     |
| /backtracking/)  | 3   |                                     |   |                  |        |                |   |                     |
| Operating System (/topics  | Output:   |                                     |   |                  |        |                |   |                     |
| /Operating Systems/)  Linked-List (/topics/Linked-List/)                           | 6 2   |                                     |   |                  |        |                |   |                     |
| Graph (/topics/Graph/)   |   |                                     |   |                  |        |                |   |                     |
| show more (/topic-tags)  | Explanation: Testcase 1: The minimum difference between maximum chocolates and minimum chocolates is 9-3=6  |                                     |   |                  |        |                |   |                     |
|  | ** For More Input/Output Examples Use 'Expected Output' option **   |                                     |   |                  |        |                |   |                     |
|  | Author: Shubham Joshi 1 (https://auth.geeksforgeeks.org/user/Shubham Joshi 1/practice/)   |                                     |   |                  |        |                |   |                     |
|  | All submissions (/problem_submissions.php?pid=1571) My submissions (/problem_submissions.php?pid=1571&isSolved=ALL⟨=ALL&user=Self)  |                                     |   |                  |        |                |   |                     |
|  | Editorial (/editorial.php?pid=1571)   |                                     |   |                  |        |                |   |                     |
|  |   |                                     |   | -                |        |                |   |                     |
|  |   |                                     |   |                  |        |                |   |                     |
|  | Theme Light  C (gcc 5.4)  C (https://auth.geeksforgeeks.org /edit.profile.php)  |                                     |   |                  |        |                |   |                     |
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|  |   |                                     |   |                  |        |                |   |                     |
|  | 1 #include <stdic< th=""><th>.h&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th></stdic<>   | .h>                                 |   |                  |        |                |   |                     |
|  | 2<br>3 int main() {   |                                     |   |                  |        |                |   |                     |
|  | 3 int main() { 4  //code  |                                     |   |                  |        |                |   |                     |
|  | <pre>5    return 0; 6 }</pre>   |                                     |   |                  |        |                |   |                     |
|  | 0 )   |                                     |   |                  |        |                |   |                     |
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|  |   |                                     |   |                  |        |                |   |                     |
|  | ☐ Test against custom inp   | ut                                  |   | Expected Outcome | Submit | Compile & Test |   |                     |
|  |   |                                     |   |                  |        |                |   |                     |
|  |   |                                     |   |                  |        |                |   |                     |
|  |   |                                     |   |                  |        |                |   |                     |
|  | Need help with your code? Please use ide.geeksforgeeks.org (https://ide.geeksforgeeks.org), generate link and share the link here.  |                                     |   |                  |        |                |   |                     |
|  |   |                                     |   |                  |        |                |   |                     |
|  |   |                                     |   |                  |        |                |   |                     |
|  |   |                                     | ¥ Report An Issue                               |                  |        |                |   |                     |
|  |   |                                     | If you are facing any issue on this page. Pleas | e let us know.   |        |                |   |                     |

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