Burger King

Time Limit – 1 second

Every day, more than 11 million guests visit BURGER KING® restaurants around the world. And they do so because our restaurants are known for serving high-quality, great-tasting, and affordable food. Founded in 1954, BURGER KING® is the second largest fast food hamburger chain in the world. Recently, they launched their branch in Banani, Dhaka. So, Mr.Panda is excited about this and wants to treat his girlfriend at Burger King. He has some fixed budget. As, there are several items he wants find out how many ways he can give her treat with different items with his fixed budget.

Either he will spend all of his money for buying **K** items among all **N** items using budget **B,** or he will not go to that restaurant. Mr. Panda has some discount for his Credit card, so some items will cost negative (it may not be realistic).

**Input:**The first line of input gives the number of cases, **T**. **T** test cases follow. For each test case there will be:

* One line containing the value **N**, the number of items in the restaurants.
* One line containing the value **K**, the number of items he needs to pick.
* One line containing the value **B**, the amount of budget he must spent.
* One line containing a space separated list of **N** integers. Each integer **X** indicates the price of an item in the restaurant.

**Constraints:**

* 1 ≤ **T** ≤ 100
* 1 ≤ **N** ≤ 100
* 1 ≤ **K** ≤ 3
* 1 ≤ **B** ≤ 10000
* **X** ≤ | 100 |

**Output:**

For each test case, output one line containing "Case **t**: " followed by the number of ways you can buy K items using the budget. See the sample **I**/**O.**

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| **Sample Input** | **Sample Output** |
| **3**  **5**  **2**  **7**  **1 -1 8 1 6**  **5**  **3**  **10**  **2 3 5 7 1**  **3**  **1**  **4**  **1 2 3** | **Case 1:** 3  **Case 2:** 2  **Case 3: 0** |

Explanation of the first sample test case:

Mr. Panda have to buy two items from Burger King using 7 taka. He can in buy items following 3 (three) ways –

1. 1st item& 5th item which sum up to 7 taka
2. 2nd item & 3rd item which sum up to 7 taka
3. 4th item& 5th item which sum up to 7 taka