

## Memorize or Lose

Jojo, Bibi, and Lili like to play. Now they are playing 'memorize or lose'. The game is very easy, given N number and Q question. For each question, they must mention what number is in the P-th location. Unfortunately, Bibi can't memorize correctly.  
Help Bibi to answer what number is in the P-th location.

### Format Input

The first line contains of integer T the number of test case.  
For the next T lines contains integer N and Q.  
The next line contains N integer  $A_i$ , the number they must memorize  
The next Q lines contains an integer P.

### Format Output

For each test case, print "Case #X: " and Q lines contains a single integer, the number in the P-th Location  
X is the number of test case.  
Print a blank line after each test case.

### Constraints

$1 \leq T \leq 1000$   
 $1 \leq N \leq 1000$   
 $1 \leq Q \leq 1000$   
 $0 \leq A_i \leq 6000$   
 $0 \leq P < N$

Sample Input	Sample Output
3 5 5 1 2 3 4 5 4 3 2 1 0 4 5 9 8 7 6 0 3 2 1 0 3 1 100 300 500 1	Case #1: 5 4 3 2 1  Case #2: 9 6 7 8 9  Case #3: 300