

1064 – Throwing Dice

n common cubic dice are thrown. What is the probability that the sum of all thrown dice is at least x ?

Input

Input starts with an integer T (≤ 200), denoting the number of test cases.

Each test case contains two integers n ($1 \leq n < 25$) and x ($0 \leq x < 150$). The meanings of n and x are given in the problem statement.

Output

For each case, output the case number and the probability in ' p/q ' form where p and q are relatively prime. If q equals 1 then print p only.

Sample Input	Output for Sample Input
7	Case 1: 20/27
3 9	Case 2: 0
1 7	Case 3: 1
24 24	Case 4: 11703055/78364164096
15 76	Case 5: 25/4738381338321616896
24 143	Case 6: 1/2
23 81	Case 7: 55/46656
7 38	