**SENIOR DIVISION**

**GARAGE MANAGEMENT** **[MEDIUM]**

**Question Link:** <https://www.hackerrank.com/contests/codebash-2-0-senior/challenges/garage-management>

**Solution:** **(PYTHON)**

q = int(input().strip())

for a0 in range(q):

n = int(input().strip())

M = []

for M\_i in range(n):

M\_t = [int(M\_temp) for M\_temp in input().strip().split(' ')]

M.append(M\_t)

rowSums = []

colSums = []

for i in range(n):

rowSums.append(sum(M[i]))

for i in range(n):

colSum = 0

for j in range(n):

colSum += M[j][i]

colSums.append(colSum)

if sorted(rowSums) == sorted(colSums):

print ("NOT FIRED")

else:

print ("FIRED")