**Maximum Clique**

**Time limit =3 seconds**

**Problem Description**

There are N people labelled from 0 to N-1. Some of them are friends, but some are not. A set of people is a clique if any two of them are friend. Write a program that computes the size of a maximum clique. The problem is NP-hard, and your program is not necessarily efficient. You may assume that N<=20.

**Input Format**

There are several test cases. For each test case, the first line is the integer N. Next, there will be an N- by-N adjacent matrix in row-major form. If N=0, stop the program. In an adjacent matrix A, A[i][j] is either 0 or 1. If A[i][j] is 1, persons i and j are friend; otherwise they are not friend. The adjacent matrix is symmetry, i.e., A[i][j]=A[j][i] for all i and j.

**Output Format**

For each test case, output the maximum clique size in one line.

**Sample Input**

|  |  |
| --- | --- |
| Sample Input | Sample Output |
| 10  0 1 0 1 1 0 1 0 0 0  1 0 0 1 1 0 1 0 0 0  0 0 0 1 1 1 0 1 1 0  1 1 1 0 0 0 1 1 1 0  1 1 1 0 0 1 1 0 1 0  0 0 1 0 1 0 1 0 0 1  1 1 0 1 1 1 0 0 1 1  0 0 1 1 0 0 0 0 1 1  0 0 1 1 1 0 1 1 0 0  0 0 0 0 0 1 1 1 0 0  0 | 4 |