Largest square formed in a matrix

找出矩阵中最大的全1子矩阵

```
#include<bits/stdc++.h>
using namespace std;
typedef vector<vector<int>> vvi;
typedef vector<int> vi;
int largestSquare(vvi &matrix, int &n, int &m) {
    vvi dp(n, vi(m));
     int maxSize = INT_MIN;
    for (int i = 0; i < n; ++i) dp[i][0] = matrix[i][0];
     for (int j = 0; j < m; ++j) dp[0][j] = matrix[0][j];
     for (int i = 1; i < n; ++i) {
         for (int j = 1; j < m; ++j) {
              \texttt{matrix}[\texttt{i}][\texttt{j}] \ ? \ \texttt{dp}[\texttt{i}][\texttt{j}] \ = \ \texttt{min}(\texttt{dp}[\texttt{i}][\texttt{j} \ - \ 1], \ \texttt{min}(\texttt{dp}[\texttt{i} \ - \ 1][\texttt{j}], \ \texttt{dp}[\texttt{i} \ - \ 1][\texttt{j} \ - \ 1])) \ + \ 1
                             : dp[i][j] = 0;
         }
     for (int i = 0; i < n; ++i) {
         for (int j = 0; j < m; ++j)
              maxSize = max(maxSize, dp[i][j]);
    return maxSize;
int main() {
    int T;
     scanf("%d", &T);
     while (T--) {
         int N, M;
         scanf("%d %d", &N, &M);
         vvi matrix(N, vector<int>(M));
         for (int i = 0; i < N; ++i) {
              for (int j = 0; j < M; ++j) {
                   scanf("%d", &matrix[i][j]);
         printf("%d\n", largestSquare(matrix, N, M));
    return 0;
}
```