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#include <iostream>
#include <vector>
using namespace std;
vector<vector<int>> build_ziguart(vector<vector<int>> abc)
{
    for (int i=0; i<(abc.size()+1) / 2; ++i)
    {
        for (int j=i; j<abc.size() - i; ++j) {
            abc[i][j] =i+1;
            abc[abc.size() - i - 1][j]=i+1;
            abc[j][i] =i+1;
            abc[j][abc.size() - i - 1]=i+1;
        }
    } return abc;
}
int main() {
    int n;
    cin >> n;
    vector<vector<int>> arr(n, vector<int>(n));
    arr=build_ziguart(arr);
    for (int i=0; i<n; ++i) {
        for (int j=0; j < n; ++j)
            cout << arr[i][j] << " ";
        cout << endl;
    } return 0;
}

```