Assignment 1

Problem 1:

Given a matrix of size nxn. Write a program to calculate square of the input matrix using Strassen's matrix multiplication algorithm.

Input: First line denotes the value of t where t is number of test cases. In each test case, first line denotes the value of n, size of the matrix followed by a nxn matrix (n lines with n numbers in each line).

Output: Square of the input matrix need to be printed in each test case.

Constraints:

   1 < t < 100
   2< n < 128 and n will be only powers of 2.

Sample Input:
1
3
1 1 1
1 1 1
1 1 1

Sample Output:
3 3 3
3 3 3
3 3 3