1.

|  |  |  |  |
| --- | --- | --- | --- |
| **n** | **SQMM** | **SQMMR** | **STMM** |
| **2** | 1500 | 6000 | 11500 |
| **4** | 2800 | 8100 | 31100 |
| **8** | 16600 | 63500 | 219800 |
| **16** | 126800 | 61300 | 1102800 |
| **32** | 947300 | 614900 | 8696600 |
| **64** | 1669300 | 2417000 | 67180000 |
| **128** | 1504300 | 16442300 | 232510600 |

As we can see from the table that we filled, Strassen algorithm is slower than the other two algorithms. The reason for this is that we do not have enough large n value so Strassen algorithm would be faster than the algorithms. If we want to have Strassen algorithm to be the fastest, we need to have very large input values.

2.

The method was correct. Output is the same as wanted.

------------Question 2------------

6 6 6

12 12 12

18 18 18