**Q1)**

Table

Description automatically generated

**Runing time of the methods in order:**

Square\_matrix\_multiply **<**  Square\_matrix\_multiply\_recursive **<**  Strassen\_matrix\_multiply

Although Strassen’s algorithm has a better asymptotic bound it applies for large sized matrix multiplication. As the input size increases Strassen’s algorithm becomes better. But for small sized other multiplications are more useful.

**Q2)**

**a)**

**Text

Description automatically generated**

**b)**

**Text

Description automatically generated with medium confidence**