

Student ID: 18203485

Matrix Multiplication

$$\begin{aligned}90 + 28 + 49 + 23 &= 240 \\280 + 24 + 273 + 38 &= 615 \\65 + 20 + 75 + 4 &= 146 \\60 + 16 + 132 + 2 &= 210\end{aligned}$$

$$\begin{aligned}162 + 49 + 198 + 105 &= 514 \\504 + 42 + 546 + 95 &= 1,187 \\117 + 35 + 150 + 10 &= 312 \\108 + 28 + 264 + 5 &= 405\end{aligned}$$

$$\begin{aligned}54 + 63 + 396 + 315 &= 828 \\168 + 54 + 1092 + 285 &= 1599 \\39 + 45 + 300 + 30 &= 414 \\36 + 36 + 528 + 15 &= 615\end{aligned}$$

$$\begin{aligned}396 + 126 + 528 + 210 &= 1262 \\1232 + 168 + 1456 + 190 &= 2986 \\286 + 90 + 400 + 20 &= 796 \\264 + 72 + 704 + 10 &= 1080\end{aligned}$$

$$\begin{bmatrix} 240 & 615 & 146 & 210 \\ 514 & 1187 & 312 & 405 \\ 828 & 1599 & 414 & 615 \\ 1262 & 2986 & 796 & 1080 \end{bmatrix}$$