(a)
$$A^{-1} =$$

(b) $A^{-1} =$

(c) $A^{-1} =$

(d) $A^{-1} =$

(e) $A^{-1} =$

(f) $A^{-1} =$

(g) $A^{-1} =$

$$A = \begin{pmatrix} 3 & 7 & 1 \\ -4 & 11 & -9 \\ 1 & -2 & 3 \end{pmatrix} = \begin{pmatrix} 3 & 19 & 1 \\ 1 & 24 & 3 \end{pmatrix}$$

$$A = \begin{pmatrix} 1 & 1 & -1 & 1 \\ 1 & 24 & 3 \end{pmatrix} = \begin{pmatrix} 1 & 1 & 1 & 1 \\ 1 & 24 & 3 \end{pmatrix} = \begin{pmatrix} 1 & 5 & 17 & 5 \\ 1 & 24 & 3 \end{pmatrix}$$

$$A = \begin{pmatrix} 1 & 1 & 1 & 1 \\ 1 & 24 & 3 \end{pmatrix} = \begin{pmatrix} 1 & 5 & 17 & 5 \\ 1 & 24 & 3 \end{pmatrix} = \begin{pmatrix} 1 & 5 & 17 & 5 \\ 1 & 24 & 3 \end{pmatrix}$$

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$$A = \begin{pmatrix} 1 & 1 & 1 \\ 1 & 24 & 3 \end{pmatrix}$$

$$A = \begin{pmatrix} 1 & 1 & 1$$

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$$\begin{pmatrix}
15 & 14 & 5 \\
6 & 3 & 7 \\
5 & 16 & 15
\end{pmatrix}
\begin{pmatrix}
9 & | E | Z | H | I | X \\
1 & | U | T | U | M | A
\end{pmatrix} = \begin{pmatrix}
15 & 17 & 5 \\
6 & 3 & 7 \\
6 & 3 & 7
\end{pmatrix}
\begin{pmatrix}
3 & | 4 & | 25 | 7 | 8 | 23 \\
18 & 2 & | 19 | 24 | 12 | 0
\end{pmatrix} = \begin{pmatrix}
15 & 17 & 5 \\
6 & 3 & 7 \\
5 & 16 & 15
\end{pmatrix}
\begin{pmatrix}
3 & | 4 & | 25 | 7 | 8 | 23 \\
18 & 2 & | 13 | 24 | 12 | 0
\end{pmatrix} = \begin{pmatrix}
15 & 17 & | 5 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & | 7 & |$$

$$= \begin{cases} 45 + 17.9 + 90 & 15.4 + 17.21 + 5.2 & 15.25 + 17.19 + 5.13 \\ 6.3 + 3.9 + 7.18 & 6.4 + 3.21 + 7.2 & 6.25 + 3.19 + 7.13 \\ 5.3 + 16.9 + 15.18 & 5.4 + 16.21 + 15.2 & 5.25 + 16.98 + 15.13 \end{cases}$$

$$= \begin{pmatrix} 288 & 427 & 763 & 412 & 520 & 549 \\ 171 & 101 & 208 & 243 & 102 & 174 \\ 419 & 386 & 649 & 571 & 540 & 107 \end{pmatrix} = \begin{pmatrix} 2 & 11 & 9 & 22 & 0 & 3 \\ 15 & 23 & 12 & 9 & 10 & 18 \\ 13 & 22 & 20 & 25 & 20 & 21 \end{pmatrix} = \begin{pmatrix} 101 & 101$$

ABCONEFGHIJKLIMNOPQIRSTUVWXYYZ 012345678910112131415161718191202122232425