```
\begin{aligned} &\text{Created a new matrix } A \ A_{2,2} = \begin{pmatrix} 1.000000 & 0.000000 \\ 0.000000 & 1.000000 \end{pmatrix} \\ &A_{2,2} = \begin{pmatrix} 0.000000 & 1.000000 \\ 2.000000 & 3.000000 \end{pmatrix} \\ &= \text{A}and 1 is \ \tilde{\text{N}} \text{omposition}_{2,2} = \begin{pmatrix} 0.000000 & 1.000000 \\ 2.000000 & 3.000000 \end{pmatrix} \\ &\text{Created a new matrix } B \ B_{2,2} = \begin{pmatrix} 1.000000 & 0.000000 \\ 0.000000 & 1.000000 \end{pmatrix} \\ &B_{2,2} = \begin{pmatrix} 0.000000 & 1.000000 \\ 2.000000 & 3.000000 \end{pmatrix} \\ &\tilde{\text{N}} \text{omposition of } A \ \text{and } B \text{is } \tilde{N} \text{omposition}_{2,2} = \begin{pmatrix} 2.000000 & 3.000000 \\ 6.000000 & 11.000000 \end{pmatrix} \\ &D \text{imension of matrix } A \ \text{is } 2 \\ &\text{Trace of matrix } A \ \text{is } 13 \\ &\text{Determinant of matrix } A = {}_{2,2} = \begin{pmatrix} 2.000000 & 3.000000 \\ 6.000000 & 11.000000 \end{pmatrix} \\ &is \end{aligned}
\text{Transponet of matrix } A \ \text{is matrix } T_{2,2} = \begin{pmatrix} 2.000000 & 6.000000 \\ 3.000000 & 11.000000 \end{pmatrix} \\ &\text{Exponent of matrix } A = {}_{2,2} = \begin{pmatrix} 2.000000 & 6.000000 \\ 3.000000 & 11.000000 \end{pmatrix} \\ &\text{Exponent of matrix } A = {}_{2,2} = \begin{pmatrix} 2.000000 & 6.000000 \\ 3.000000 & 11.000000 \end{pmatrix} \\ &\text{Reverse matrix of matrix } A \ \text{is matrix } Reverse_{2,2} = \begin{pmatrix} 0.356242 & -0.200049 \\ -0.100024 & 0.056169 \end{pmatrix} \\ &\text{Check}_{2,2} = \begin{pmatrix} 1.000000 & -0.000000 \\ 0.000000 & 1.000000 \end{pmatrix}
```