```
AB=I
     रेडियेय: रेडियेयन पर यादि हमेल केरे हमें येयन अर्थ केरे.
    A=[ab]
    A^{\dagger} = \frac{1}{det(A)} \begin{bmatrix} d - b \\ -c a \end{bmatrix} = \frac{1}{ad-bc} \begin{bmatrix} d - b \\ -c a \end{bmatrix}
    A = [2 -1] > 관병성?
고카 관계23 판병성 중기.
                                  Ad=7大才 电智制之 入外 至如.→ 子如と
      det /A-XI =0= 만= 하는 > 1 Rith.
                                                        @ X=3 of al.
      det (A-XI(=
                                                              (A-X)7=0.
       (A- )I) x=0

\begin{bmatrix}
2-x & -1 & = & 2-3 & -1 & = & -1 & -1 & 4 & = 0 \\
-1 & 2-x & = & -1 & 2-3 & = & -1 & -1 & 4 & = 0
\end{bmatrix}

        A- XI = [2-1] + [-2 0]
                                                                    7= [9]
               = 2-> -1 -1 2->
                                                            [-1-1] [a] -0
det(A-XI(= (2-X))-(-1)
            = 4-4/1+12-1 =0.
                                                            [-a-b] [-a-b] [-a-b]
            = \chi^{2} - 4\lambda + 3 = 0
             = (X-3)(X-1)=0
                1=1 6 8=1
       BY (A-NI) & OHERON ZWALE X
       2/2/201 0 0 1010k
       det A-NII=02 stille not 29tolch.
```

$$A = \begin{bmatrix} 1 & 0 \\ 0 & 2 \end{bmatrix} \qquad \lambda = ?$$

$$Ax = \lambda x$$

$$(A - \lambda)x = 0$$

$$(A - \lambda)x = 0$$

$$Ax = \lambda x$$

$$A - \lambda I = \begin{bmatrix} 1 - \lambda & 0 \\ 0 & 2 - \lambda \end{bmatrix}$$

$$A = \begin{bmatrix} 0 & 2 - \lambda \end{bmatrix}$$

$$A = \begin{bmatrix} 0 & 1 & 2 \\ 0 & 2 - \lambda \end{bmatrix} = 0$$

$$A = \begin{bmatrix} 0 & 1 & 2 \\ 0 & 2 - \lambda \end{bmatrix}$$

det (A-NI)=0

$$(A-\lambda I) = \begin{bmatrix} 1-\lambda & 0 \\ 0 & 2-\lambda \end{bmatrix} = \begin{bmatrix} -1 & 0 \\ 0 & 2-\lambda \end{bmatrix} = \begin{bmatrix} -1 & 0 \\ 0 & 0 \end{bmatrix}$$

$$\therefore \quad \alpha = 0 \quad , \quad b \neq 0$$

$$\forall a = \begin{bmatrix} 0 \\ 1 \end{bmatrix}, \begin{bmatrix} -1 \\ -1 \end{bmatrix} \dots$$