-90-2 ACR 313 -> 1A1 = 1AT  $|A| = \begin{vmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \\ a_{31} & a_{32} & a_{33} \end{vmatrix} =$ = 011 a22 933 + 012 023 931 + 013 921 932 -1123 123 123 - 93 922 ası - 912 azı azz - 911 azz 932 = 1 2 3 2 3 2 = 911 dec a33 + a31 a12 des + a21 a32 a13 -1 1 2 3 1 2 3 931 922 913 - 921 912 933 - 911 932 923 = 2 2 3 3 2 3 an are ass + are ass are all 4 del are ass 2 2 3 1 2 3 921 922 913 - 921 912 933 - 911 932 923 = 2 3. 1 2 3

 $= \begin{vmatrix} a_{11} & a_{21} & d_{31} \\ a_{12} & a_{22} & a_{32} \end{vmatrix} = \begin{vmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \end{vmatrix} = \begin{vmatrix} A^{\dagger} \\ A^{\dagger} \end{vmatrix} D$   $\begin{vmatrix} a_{13} & a_{23} & a_{33} \\ a_{31} & a_{32} & a_{33} \end{vmatrix} = \begin{vmatrix} A^{\dagger} \\ a_{31} & a_{32} & a_{33} \end{vmatrix}$ 

A=(ai)=R313/( Vie/1,2,3) je/42,3) aij=0)=> 10=0 2 A = (ai) e R3x3 |A| = | C111 a12 a13 | = | C121 a22 a23 | = | C221 = 011 922 933 + a12 923 981 + 913 021 032 i 1 2 3 | 2 3 413 922 931 - az azı 433 - 911 azz azz = 123123 = 911 022 933 + 931 012 023 + 921 032 913 -23 123  $a_{81}$   $a_{22}$   $a_{13}$  -  $a_{21}$   $a_{12}$   $a_{33}$  -  $a_{11}$   $a_{32}$   $a_{23}$  =  $a_{23}$  = Ace(715/3) le/713/30 00=0

= 0+0+0-0-0-0 = 0 >