



P(I) 2003 Q 10(II) DECOUP OF D:

$$\begin{array}{lll} \vec{D}'(1) = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} & \vec{D}'(2) = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} & \vec{D}'(2) = \begin{pmatrix} -1 & 0 \\ 0 & 1 \end{pmatrix} \\ \vec{D}''(1) = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} & \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} & \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(1) = \begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix} & \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} & \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} & \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} & \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2) = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix} \\ \vec{D}''(2$$

$$D'''(1) = \begin{pmatrix} 10 \\ 01 \end{pmatrix} \quad D'''(a) = \begin{pmatrix} 10 \\ 0-1 \end{pmatrix} \quad D'''(e) = \begin{pmatrix} 10 \\ 0-1 \end{pmatrix} \quad D'''(e) = \begin{pmatrix} -10 \\ 01 \end{pmatrix}$$

CHRACTER TABLE FORV:

ORTHOGONALITY RELATION: EVERY COL. IN DIFFERENT CONJUGACY CLASS (HERE: EVERY COL.) ARE DETFINGENAL TO EACH OTHERS.

$$\frac{1}{(2n+1)(2n+1)(2n+1)} = \frac{1}{(2n+1)(2n+1)} = \frac{1}{(2n+1)(2n+1)} = \frac{1}{(2n+1)(2n+1)} = \frac{1}{(2n+1)(2n+1)} = \frac{1}{(2n+1)(2n+1)(2n+1)} = \frac{1}{(2n+1)(2n+1)(2n+1)(2n+1)} = \frac{1}{(2n+1)(2n+1)(2n+1)(2n+1)} = \frac{1}{(2n+1)(2n+1)(2n+1)(2n+1)} = \frac{1}{(2n+1)(2n+1)(2n+1)(2n+1)} = \frac{1}{(2n+1)(2n+1)(2n+1)(2n+1)(2n+1)} = \frac{1}{(2n+1)(2n+1)(2n+1)(2n+1)(2n+1)} = \frac{1}{(2n+1)(2n+1)(2n+1)(2n+1)(2n+1)(2n+1)(2n+1)} = \frac{1}{(2n+1)(2n+1)(2n+1)(2n+1)(2n+1)(2n+1)(2n+1)} = \frac{1}{(2n+1)(2n+1)(2n+1)(2n+1)(2n+1)(2n+1)(2n+1)(2n+1)} = \frac{1}{(2n+1)(2n+$$

no of après of viep \$191 = Echer, ella vier x cher, velt i rep.