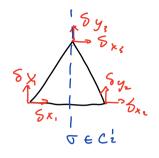
P 28. Use X v pov = Av, Xvz and the character theory.



$$D_3 \stackrel{\text{\tiny M}}{=} S_3$$
 three conj. classes

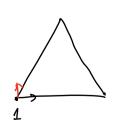
 $E \stackrel{\text{\tiny C}}{=} [()]$ 
 $C_3 \stackrel{\text{\tiny C}}{=} [(123)]$ 
 $C_2' \stackrel{\text{\tiny C}}{=} [(12)]$ 

$$\chi_{\nu}(c_2') = 0$$
 (  $\sigma: \delta y_3 \rightarrow \delta y_3$  ,  $\delta x_5 \rightarrow -\delta x_3$  )

$$n_p = \langle \chi_p, \chi_v \rangle$$

$$N_{E} = \frac{1}{6} 2 \times 6 = 2$$

	E	203	302
A	. 1	1	1
Δz	l		7
E	N	-(	0
7			١



$$C_{\mathfrak{z}}$$
  $\longrightarrow$ 

$$(0,0,-\frac{1}{2},\frac{\sqrt{3}}{2},0,0)$$

$$M(C_3) = \begin{pmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ -\frac{1}{2} & -\frac{1}{2} & 0 \\ 0 & 0 & 0 \end{pmatrix}$$