

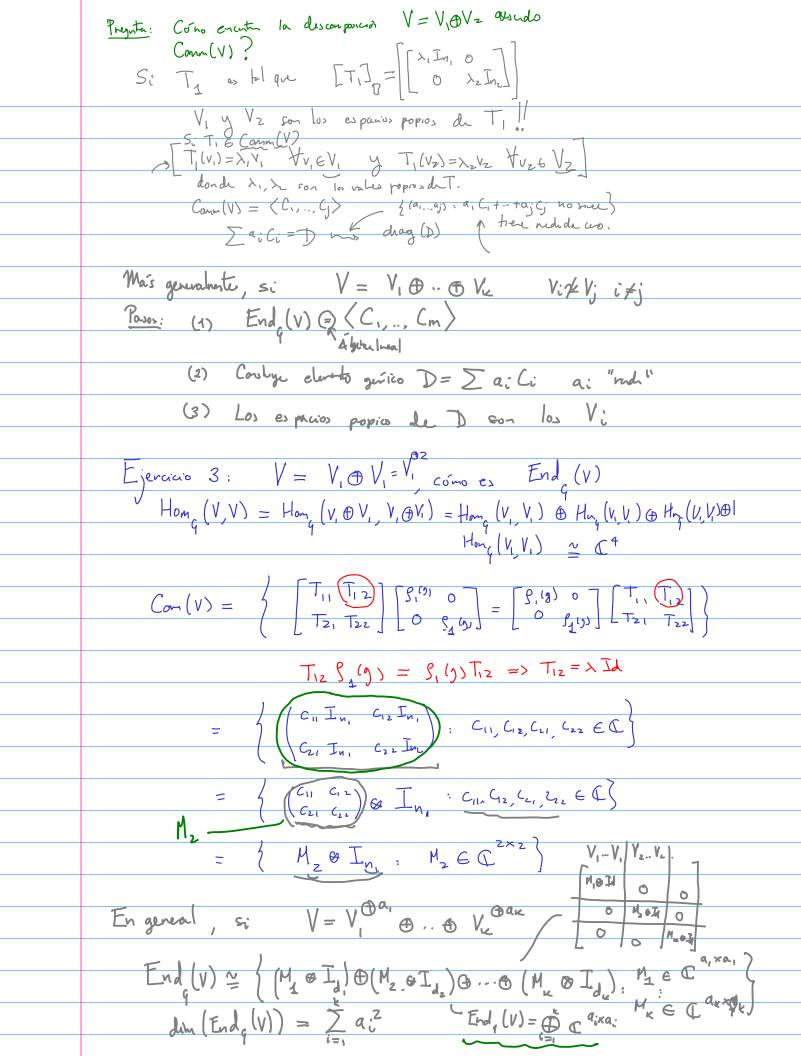
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Ejerano: V irreducible. Como es Endq (V)?
                                                                               \operatorname{End}_{G}(V) = \operatorname{Hon}_{G}(V, V) \stackrel{\bullet}{=} \{ \lambda I : \lambda \in \mathcal{L} \}

\begin{bmatrix}
T \in C^{N\times N} : & T [S_{V}(y)] T = \{x \text{ id}; x \in C\}
\end{bmatrix}

\begin{bmatrix}
F_{V}(y) \end{bmatrix} = \{y \text{ ind}, distintas}

\begin{bmatrix}
F_{V}(y
                                                   C_{OMM}(V) = \begin{cases} v_1 & T_{11} & T_{12} \\ v_2 & T_{21} & T_{22} \end{cases} \begin{bmatrix} s_{V_1}(g) & O \\ O & s_{V_2}(g) \end{bmatrix} \begin{bmatrix} s_{V_1}(g) & O \\ O & s_{V_2}(g) \end{bmatrix} \begin{bmatrix} s_{V_1}(g) & O \\ s_{V_2}(g) \end{bmatrix} \begin{bmatrix} s_{V_2}(g) & O \\ s_{V_2}(g) \end{bmatrix} \begin{bmatrix} s_{V_1}(g) & O \\ s_{V_2}(g) \end{bmatrix} \begin{bmatrix} s_{V_2}(g) & O \\ s_{V_2}(g) & O \\ s_{V_2}(g) \end{bmatrix} \begin{bmatrix} s_{V_2}(g) & O \\ s_{V_2}(g) & O
                                    (=) T_{11} S_{v_1}(9) T_{12} S_{v_2}(9) T_{12}  S_{v_1}(9) T_{12}
                                                                                                                                    [ Tz, Sv, (9) Tzz Svz (9) ] [ Svz (9) Tz, Svz (9) Tzz
T_{11} S_{V_{1}}(g) = S_{V_{1}}(g) T_{11} = X T_{11} = X T_{11}
T_{12} S_{V_{2}}(g) \oplus S_{V_{1}}(g) T_{12} = X T_{12} = 0
                                                                                                                                                                                         = \langle \lambda_1 \overline{\lambda}_{N_1} \rangle \langle \lambda_1 \lambda_2 \in \mathcal{C} \rangle
Comm(V) = \{ \lambda_1 I_{N_1} \oplus \lambda_2 I_{N_2} : \lambda_1 \lambda_2 \in C \}
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V = V1 0 V2 0 ... 0 VK



Cuail es el cento de Endq(V)? Ejercicio: Sea A = [(matic, nxn en [)

Udunvestr que $Z(A): \in \{B \in A : B \cdot T = T \cdot B\}$ Mas ecranores

Inches $\{\lambda : A \in A\}$ Calculus Z (End (V)) $\left(\bigoplus_{i=1}^{k} \mathcal{M}_{i} \otimes \mathbb{I}_{d_{i}} \right) \cdot \left(\bigoplus_{i=1}^{k} \mathcal{N}_{i} \otimes \mathbb{I}_{d_{i}} \right) = \left(\bigoplus_{i=1}^{k} \mathcal{N}_{i} \otimes \mathbb{I}_{d_{i}} \right) \cdot \mathcal{W}$ (M; & Idi) · (N; & Idi)] MiNi@Id: = NiMi@Id: => Mi conmute con Ni +Ni

Mi E Z (Caixai) => Mi = > Iai $Z(End_{q}(V)) = \begin{cases} b \\ \lambda_{i}(I_{a_{i}} \circ I_{d_{i}}) \end{cases} ; \lambda_{i} \in \Phi$ dim (Z(End(V))) = k Par encontre la des componers en isotipicas: (2) Deleneto "aliabisio" Den las comportios de !!