Den del Lema: Sean VI,..., VT rep de 9/H F Sean UI,..., Um base de W F Af:  $\int_{\mathcal{W}} e^{-\mathbf{i} \cdot \mathbf{k}} \int_{\mathcal{W}} e^{-\mathbf{i} \cdot \mathbf{k}} \int_{\mathbf{k}} e^{$ (a) General: (b)

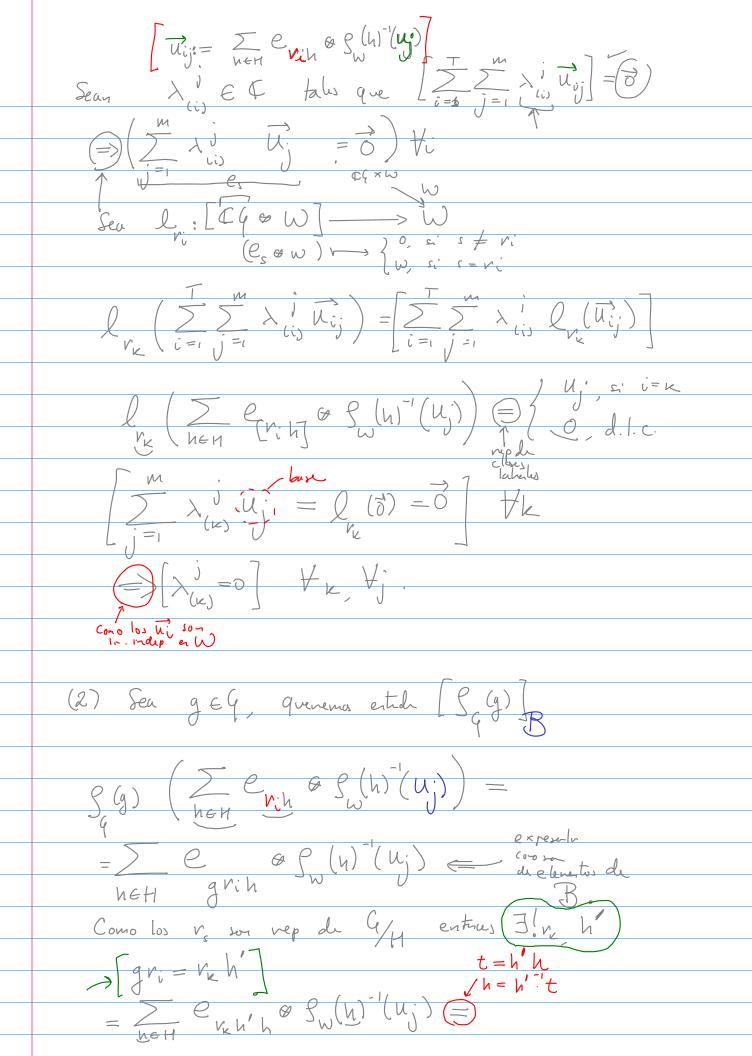
\[ \sum\_{g \in G} = \text{g} \times \text{w}\_g \tag{\in W}\_g = \text{Teg \text{\text{w}} \text{\text{y}}} \]

\[ \frac{1}{2} \text{e} \text{\text{\text{W}} \text{\text{Teg \text{\text{W}} \text{\text{y}}}} = \text{Teg \text{\text{W}}\_g} \]

\[ \frac{1}{2} \text{e} \text{\text{W}} \text{\text{W}}\_g \text{\text{\text{W}}\_g} \text{\text{\text{W}}\_g} \]

\[ \frac{1}{2} \text{e} \text{\text{W}}\_g \text{\text{W Calculo SH(h)(Zegowy) = Zegh-1 & Sw(h)(wg)  $\geq e_{\mu} \otimes f_{\nu}(h)(w_{\mu h}) = \geq e_{g} \otimes w_{g}$ the H ( Wg = Sw(h) (Wgh) ) [Wg dikemina]

(C( & W) + Wgh = Sw(h) - (Wg) & [Wgh + HeH]  $\frac{\sum e_{g} \otimes w_{g}}{g = q} = \sum_{i=1}^{\infty} \frac{e_{i} \otimes w}{w \in H}$  $= \sum_{i=1}^{T} \sum_{h \in H} e_{h h} \otimes g_{w}(h)^{-1}(w_{h})$ Con Wing Wit CW Expessos Wri en la base U, Um expesa nuesto vecto como como luer de los de aniba demostrdo que gerea (C40W) 1. (b) Indyadicia?



$$= \underbrace{\sum_{t \in H} e_t e_t} \underbrace{e_t e_t} \underbrace{e_t} \underbrace{e_t e_t} \underbrace{e_t} \underbrace{e_t}$$

