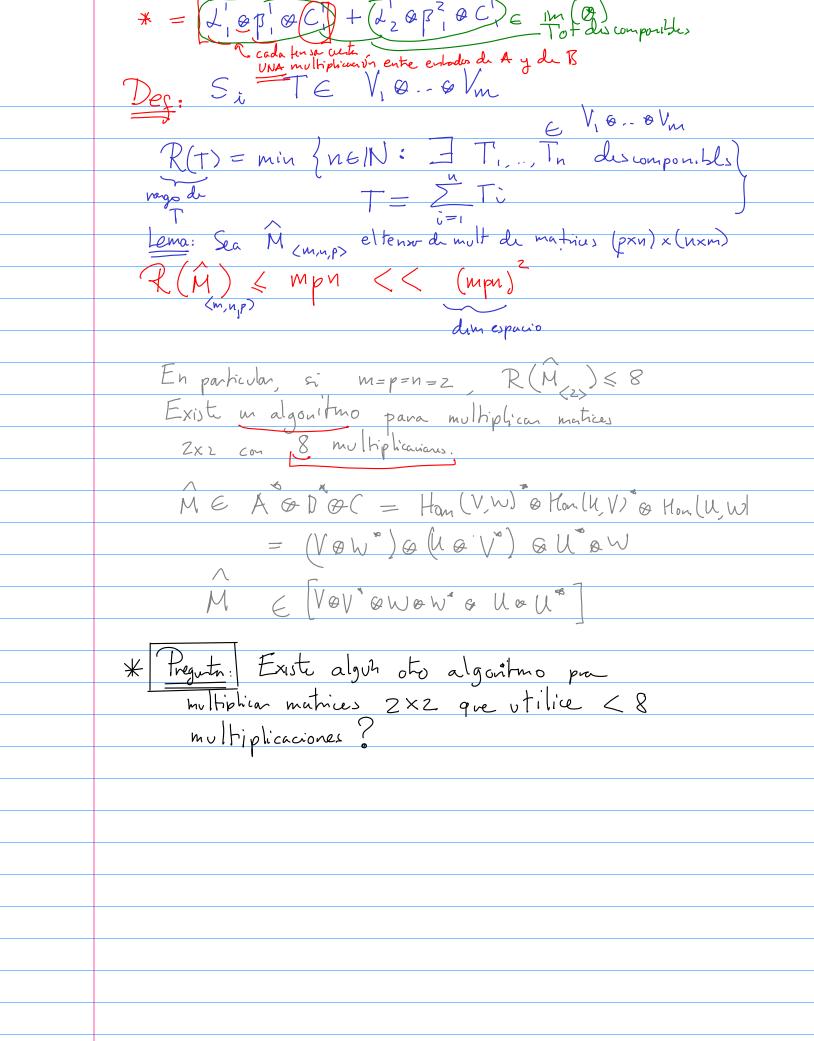
Ejemplo: Mult de matrices fog V $C = Hom(V, W) = V \otimes W dm(M = np)$ $C = Hom(V, W) \sim mp$ M: A × B

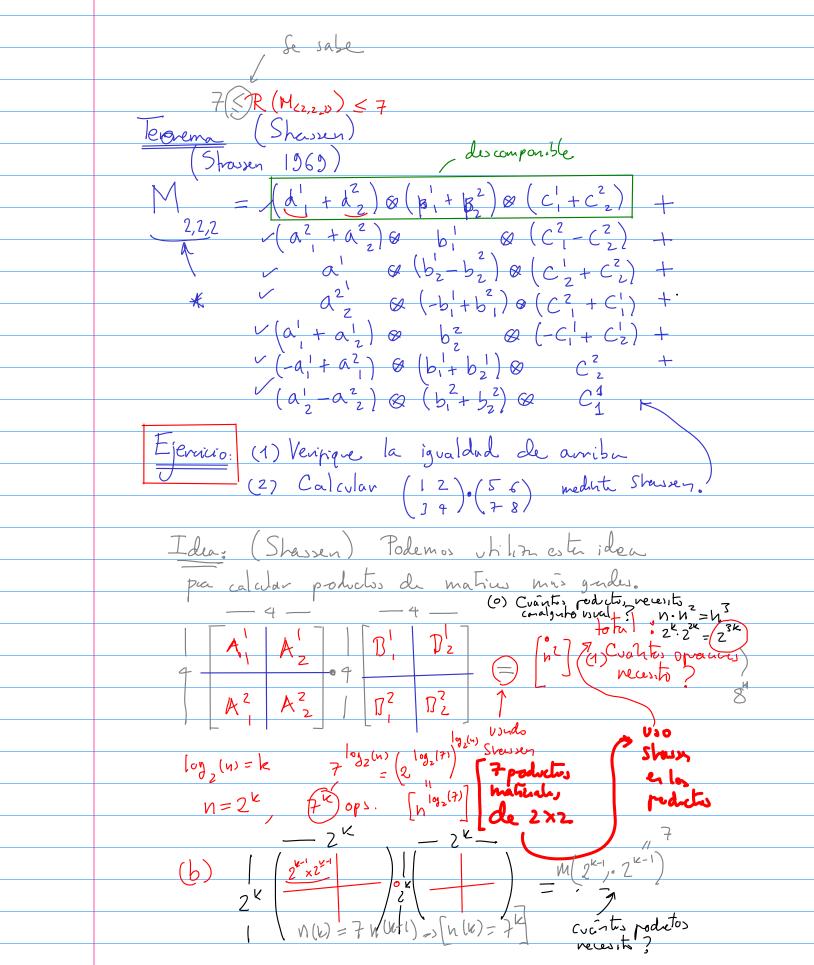
Wilned

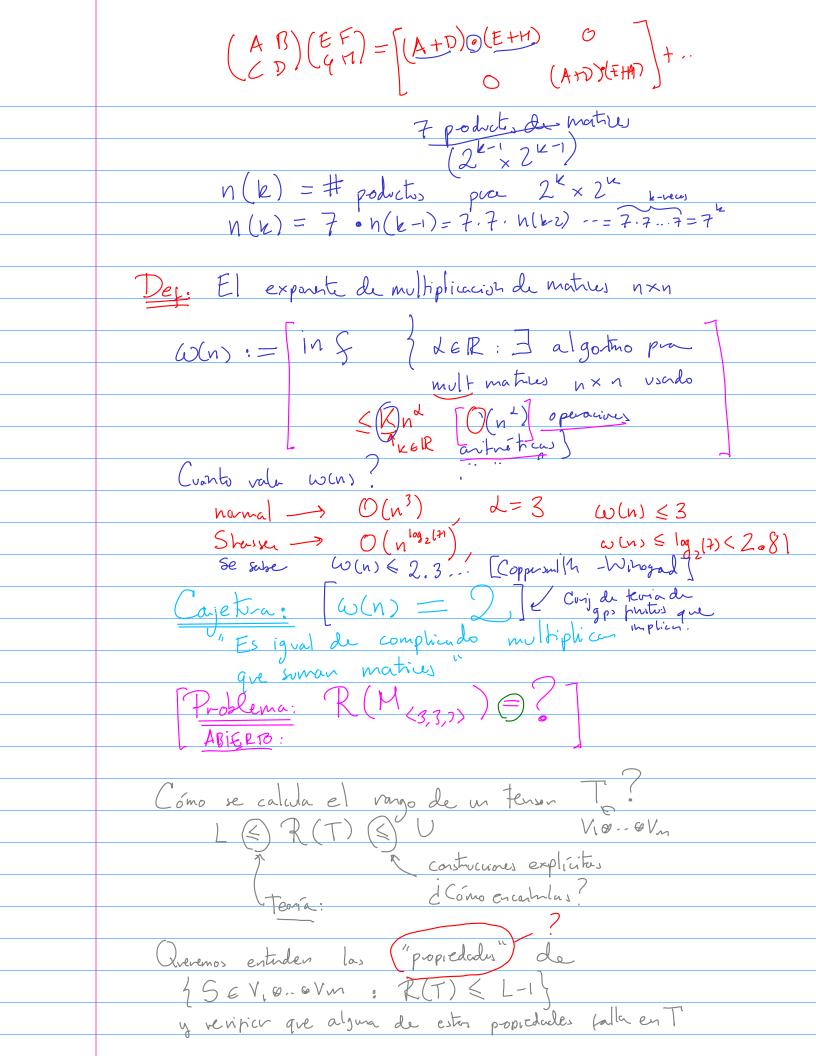
M: A × B

Mined

Mi REHOM (A&BC) = (A&B) &C [[C]] $M \left(\begin{bmatrix} a_1 & a_2 \\ a_2 & a_2 \end{bmatrix}, \begin{bmatrix} b_1 & b_2 \\ b_1 & b_2 \end{bmatrix} = \begin{bmatrix} a_1 & b_1 & +a_2 & b_1 \\ a_2 & a_2 \end{bmatrix}, \begin{bmatrix} b_1 & b_2 \\ b_2 & b_2 \end{bmatrix} = \begin{bmatrix} a_1 & b_1 & +a_2 & b_1 \\ a_2 & a_2 & b_2 \end{bmatrix}$ $B = \begin{pmatrix} c'_1 = \begin{bmatrix} 1 & 0 \\ 0 & 0 \end{bmatrix}, \quad C_2 = \begin{bmatrix} 0 & 1 \\ 0 & 0 \end{bmatrix}, \quad C_1, \quad C_2 \end{pmatrix}$ $B_{A} = \begin{pmatrix} \lambda & \begin{pmatrix} \alpha_{1}^{1} & \alpha_{2}^{1} \\ \alpha_{2}^{2} & \alpha_{2}^{2} \end{pmatrix} = \alpha_{1}^{1} & \lambda_{2}^{1} & \lambda_{2}^{2} \end{pmatrix}$ $B_0 = (\beta_1, \beta_2, \beta_2, \beta_2)$ $\hat{M} = \left(\begin{array}{c} 1 & \text{if } 1 & \text{if } 1 \\ \text{if } 2 & \text{if } 3 \\ \text{if } 4 & \text{if } 4 \\ \text{if } 4 \\ \text{if } 4 & \text{if } 4 \\ \text{if } 4 & \text{if } 4 \\ \text$ * $(\lambda_1 \otimes \beta_2 + \lambda_2 \otimes \beta_2^2) \otimes (C_2) + \Box + \Box$







```
V, = (u, u) V, = (d, d), (d, d) dual du (u, h)
Ejemplo: T = d, \Theta V_1 + d_2 \Theta V_2 \in V_1 \oplus V_2 = Hom(V_1, V_2)
A_{f:} 2 \leq R(T) \leq 2 \Rightarrow R(T) = 2
                                                                                       S=v[ab]: dm (in (S)) ≤1
                                                                                               T = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix} \quad (ad + bc)(T) = 1 \neq 0
           \begin{array}{c|c} | & \text{ } & \text{
                                                                                                                                                                                                                                                                                                                                                                                                           = {T E Hom(V,U):
los mences de tanajo
                                                                             TEVOU: R(T) Sj)
                                                                                                                                                                                                                                                                                                                                                                             delemente de
ma subentir (j+1) × (j+1) de
la mat de jt.
```