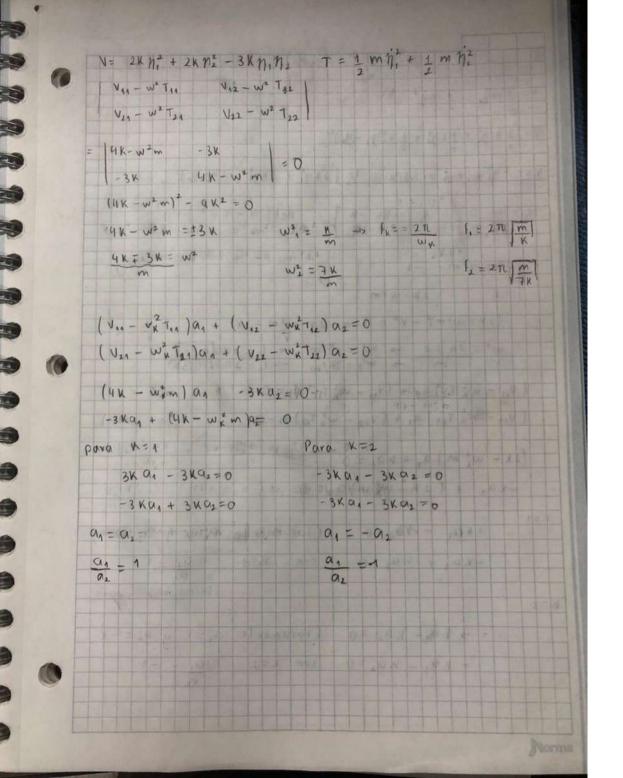
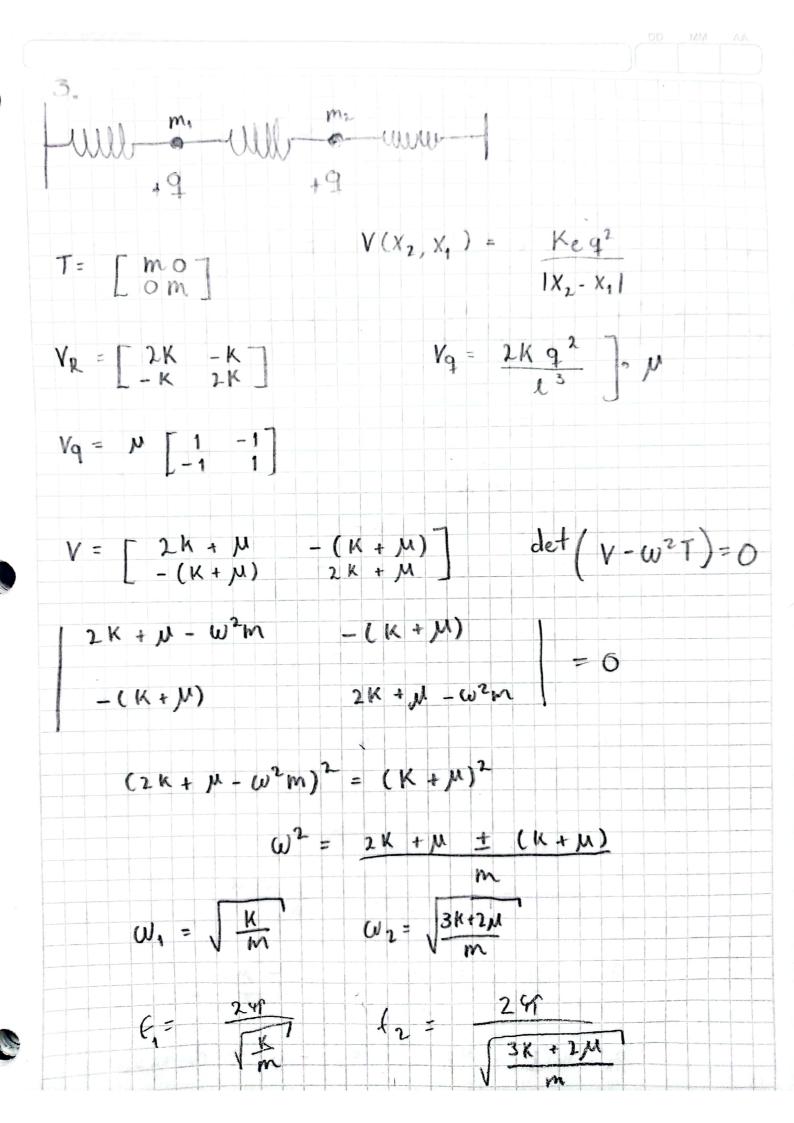
d C1+C2+C3=d = 1 mx2 + 1 mx2 ; V=1K(x,-c,)2+3k(x,-x,-c,)2+1k(d-x,-c,)2 V= 1 K (x1-C1)2+ 3 K (x2-x1-C1)2+1K(C1+C-x2)2 V= 1 \(\times \mathbb{V}_{ij} \mathbb{N}_{ij} \mathbb{N}_{ij} \) \(\tau_{ij} \mathbb{N}_{ij} \mathbb{N}_{ij} \) \(\tau_{ij} \mathbb{N}_{ij} \mathbb{N}_{ij} \mathbb{N}_{ij} \) \(\tau_{ij} \mathbb{N}_{ij} \mathbb{N}_{ij} \mathbb{N}_{ij} \) \(\tau_{ij} \mathbb{N}_{ij} $\frac{\partial^{2} N}{\partial x_{1}^{2}} = \frac{\partial N}{\partial x_{1}} \left(K(x_{1} - C_{1}) - 3K(x_{2} - x_{1} - C_{2}) \right) = K + 3K = 4K$ $\frac{\partial^2 V}{\partial x_1^2} = \frac{\partial}{\partial x_2} \left(3K(x_2 - x_4 - C_1) - K(C_1 + C_2 - x_2) \right) = 4K$ $\frac{\partial x^{1} \partial x^{1}}{\partial x^{1}} = -3K = \frac{\partial^{2} x^{1}}{\partial x^{1}}$



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2. La mario Dinamento
T= 1 mg, + 1 my,
V = 1 K y1 + 1 Ky2 + 1 K(y1 - y2)2
V = Ky1 + Ky2 - Ky140 = 1/2 (2Ky1 + 2Ky2 - 2Ky140)
Ty = [m 0] Vy = [2N'-K] det[V-Tw2] = 0
   2 K - W2 m - K
                     =0
    -K 2K-W2M
   (2K-w2m)2-K2=0-0 2K-w2m=±K
   W= 2K + K -0 W1 = K/m -0 f1 = 2TL Jm/K1
m -0 W2 = 3K/m -0 f2 = 2TL Jm/3K1
  ( V11 - WK T11) Q1 + (V12 - WK T12) Q2 = 0
  ( VL1 - WK T29 ) a, + ( V22 - WKT22 ) az= 0
  (2K - Wx m) a, - Ka2 = 0
   - Ka1 + (2K-Wxm) a2 = 0
K=1
       1 kay - kaz = 0 (laramente a = x y a = x
       -Kan + Kaz = 0 con K=1 an = 1
K = Z
         - Kay- Kaz =0 (laramente a1 = x y a2 = -x
          - Ka1 - Ka2 = 0 (un K=2 a1 = -1
```



 $\begin{pmatrix} 2k+\mu & -k-\mu \\ -k-\mu & 2k+\mu \end{pmatrix} \begin{pmatrix} 0_1 \\ 0_2 \end{pmatrix} = \omega_1^2 m_0 \begin{pmatrix} 0_1 \\ 0_2 \end{pmatrix}$ a,(2K+M) + a2 (-K-M) = W1 ma, 3/1 a, (-K-M) + a, (2k+M) = w, na, despejando a, az = w, may - a, (2k+1) - K - M sabiendo que w, 2 = K a2 = Ka, -a, 2K - a, 4 - K - M $\alpha_1 = \alpha_1 \left(-K - M \right)$ Or = a1 > Fuse subjendo que cuz = 3K+zM a2 = 3Ka1 + 2 Ma1 - 2Ka1 - Ma1 az = a((K + M) az --a, = des fase