Para la fonción de transferencia del sistema masa Vexerte visto en clave X2CS) de la clase tenens que I(s) = 14,(s) + 5, 4,(s) + 5°C, 4,(s) + 1 (4,(s) - 42(s)) 160) = Y, (S) [= + 5 + 5 C, + 1] - 1 (2(S) I(S) = Y(W)[B,+SL,+3C,L2+1]-125(S)...(2) $\theta = \frac{1}{12} (Y_1(s) - Y_2(s))$ 42(S) = 4, (J)... (2) Sustitugen de (2) en (1) $I(0) = 4_2(5) \left[\frac{R_1 + 5L_1}{L_1 R_1} + \frac{5^*C_1 L_2 + 1}{L_2} \right] - \frac{1}{L_2} 4_2(5)$

 $L(s) = \frac{4}{3}(s) \left[\frac{R_1 L_2 + S L_1 L_2 + \frac{3}{5} C_1 L_1 L_2 R_1 + L_1 R_1}{L_1 L_2 R_1} + \frac{1}{L_2} \right]$

$$\frac{L(s)}{4200} = \frac{L_{2}(R_{1}L_{2} + SL_{1}L_{2} + S^{2}R_{1}L_{1}L_{2}(1 + L_{1}R_{1}) - L_{1}L_{2}R_{1}}{L_{1}L_{2}S}$$

$$\frac{L(s)}{4200} = \frac{s^{2}R_{1}L_{1}L_{2}C_{1} + SL_{1}L_{2} + R_{1}L_{2} + L_{1}R_{1} - L_{1}R_{1}R_{1}}{L_{1}L_{2}R_{1}}$$

$$\frac{L(s)}{4200} = \frac{s^{2}R_{1}L_{1}L_{2}C_{1} + SL_{1}L_{2} + R_{1}L_{2}}{L_{1}L_{2}R_{1}}$$

$$\frac{L(s)}{4200} = \frac{L_{2}(s^{2}R_{1}L_{1}C_{1} + SL_{1} + R_{1})}{L_{1}L_{2}R_{1}}$$

$$\frac{L(s)}{4200} = \frac{L_{2}(s^{2}R_{1}L_{1}C_{1} + SL_{1} + R_{1})}{L_{1}L_{2}R_{1}}$$