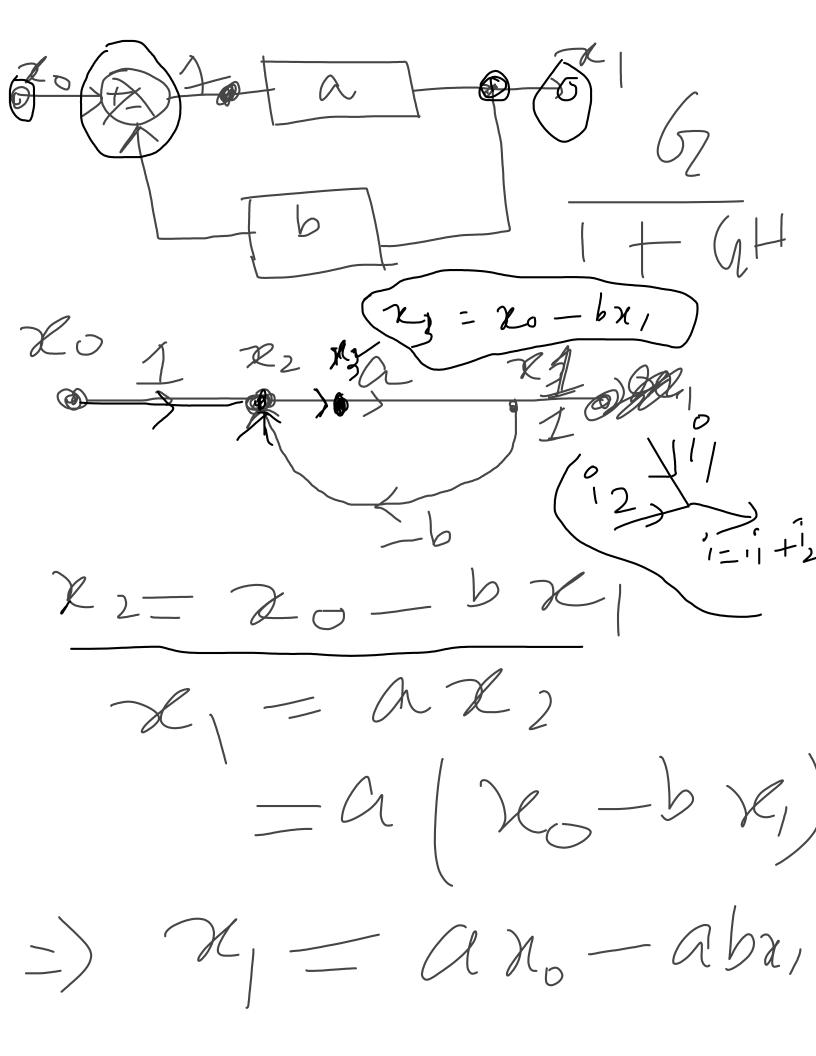
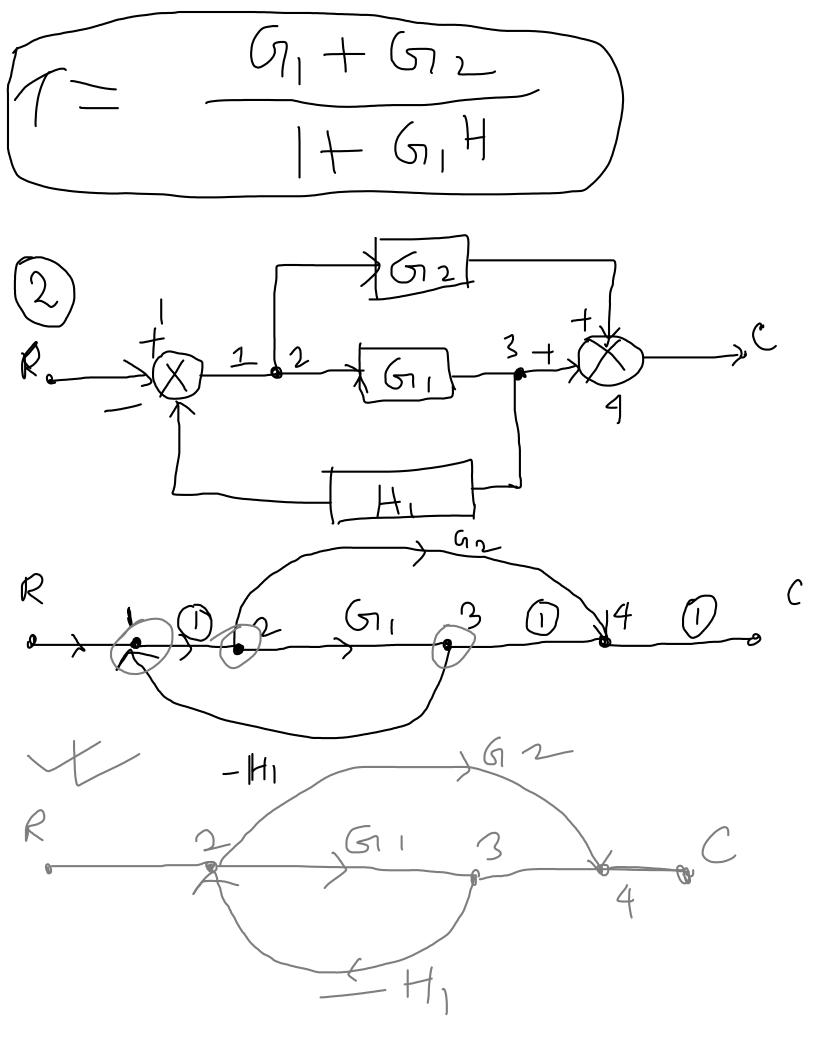
Block Diggram Signal Phon (node) branch) gain
-transitta a | 2=



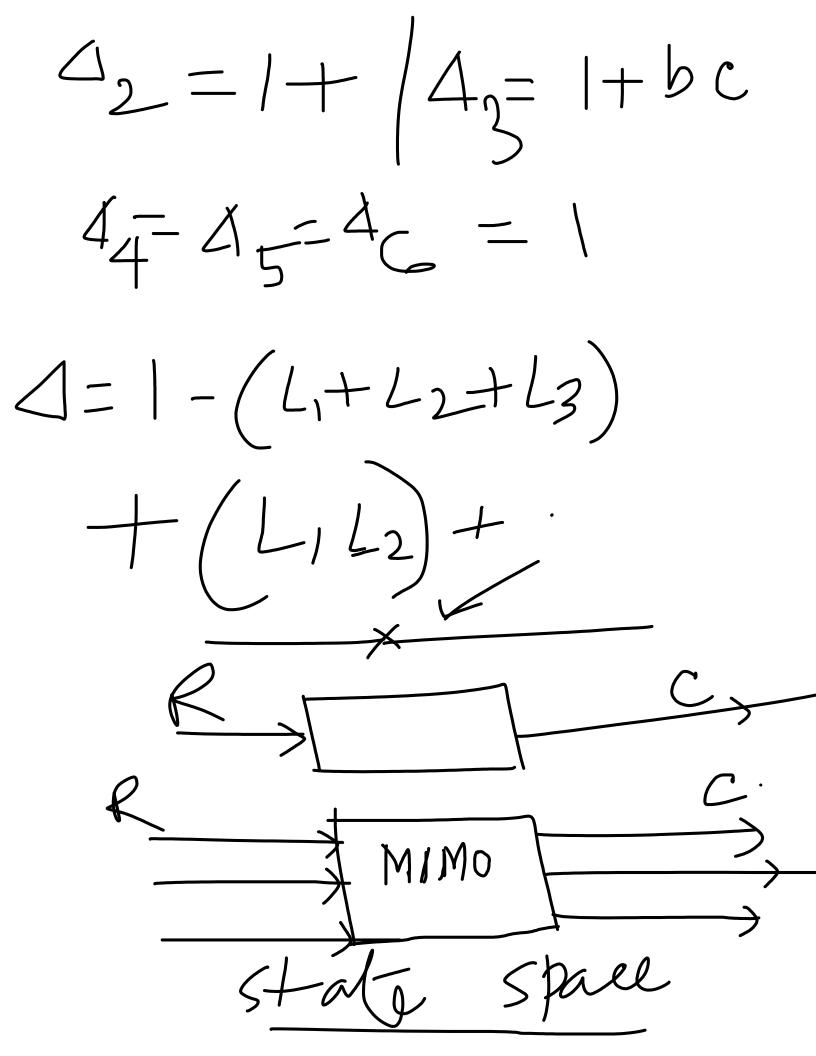
 $\Rightarrow x_1 + abx_1 = ax_0$ $\Rightarrow \varkappa, (1+\alpha b) = \alpha \aleph_{o}$ $\Rightarrow \frac{\chi_{1}}{\chi_{0}} = \frac{\lambda_{1}}{1 + \lambda_{0}}$ Thom S.F yeap Mandon Jan 12 mulai

 $\frac{P_{K} \triangle_{K}}{\sum_{k=1}^{N} A_{k}} \left(\frac{\sum_{k=1}^{N} A_{k}}{\sum_{k=1}^{N} A_{k}} \right)$ R 1 D G 1 Pk - forward path $P_1 = G_1$ $A_1 = 1$ $A_2 = 1$ $A_3 = 1$ $A_4 = 1$ $P_2 = G_2 / G_2 = 1 - 1 + G_1 H_1$ 1=1- (Zbop non twelling the f. path) + (Zproduets of pair of mon' touchery Loops not touching

the F. path) - (4 = 1-(Elesp guin) +(Epoduet & 2 mon touching loops) -(Spouduit of 3 non touching loops + £=1,2 $=\frac{P_1A_1}{A}+\frac{P_2A_2}{A}$



レノニータ M=abd 2-- 97 $P_2 = N_1 h$ L3=(-e)j(-g) P3 = efh P4 = 21 d =icjgB--eich $P_{s} = -ajgid$ $4_1 = 1 - (-fg) + (0) + 0$ = 1 + fg



State manufacture (Smallest sut)
(Strate manufacture sut)
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(Strate manufacture sut state variables! new not to be physical 00 messirable state viettor.

Hate spall