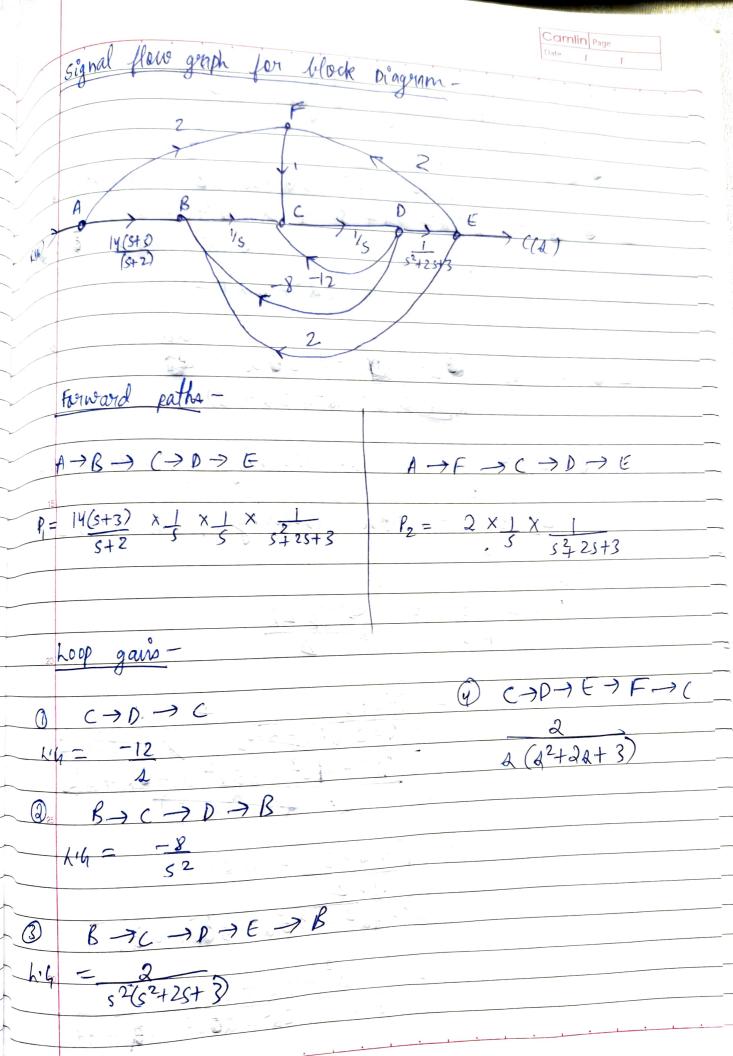


Simplifying after putting the values
$$C(\Delta) = R(\Delta) \left( \frac{2a^2 + 18a + 42}{a^5 + 16a^4 + 60a^3 + 117a^2 + 128a + 44} \right)$$



Sum of 2 non trucking loop gains = 0

Sum of 3 now touching loop gains = 0

Sum of 3 now touching loop gains = 0

$$\Delta = 1 - \left(-\frac{12}{4} - \frac{8}{4^2} + \frac{1}{4^2} +$$