

ELT330 – SISTEMAS DE CONTROLE I
Prof. Tarcísio Pizzio

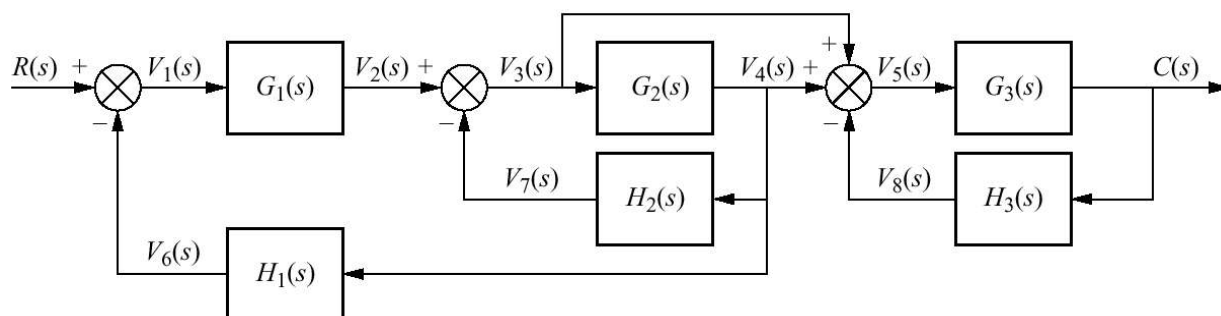
3ª Lista de Exercícios

Diagramas de Blocos – Regra de Mason

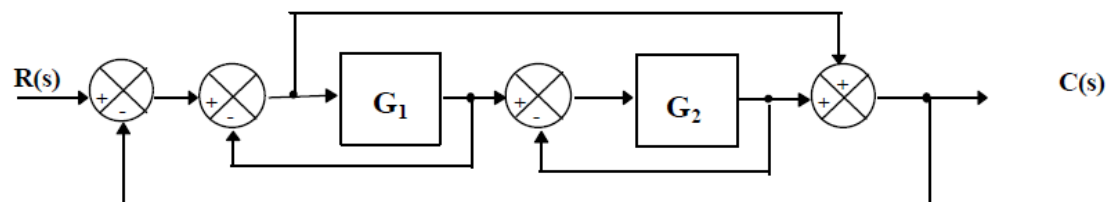
1) Dados os diagramas de bloco a seguir, pede-se:

- Obtenha a Função de Transferência utilizando a Álgebra de Diagrama de Blocos;
- Obtenha o Gráfico de Fluxo de Sinais;
- Obtenha a Função de Transferência aplicando a Fórmula do Ganho de Mason.

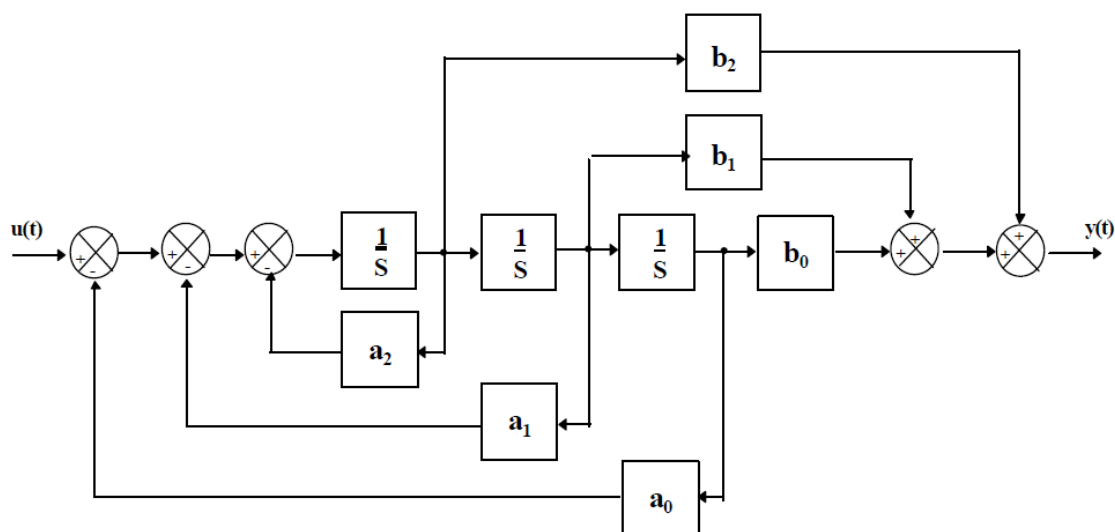
a)



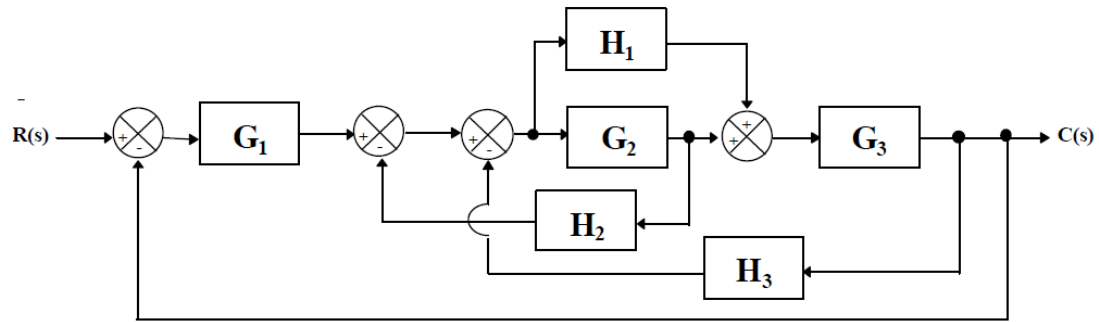
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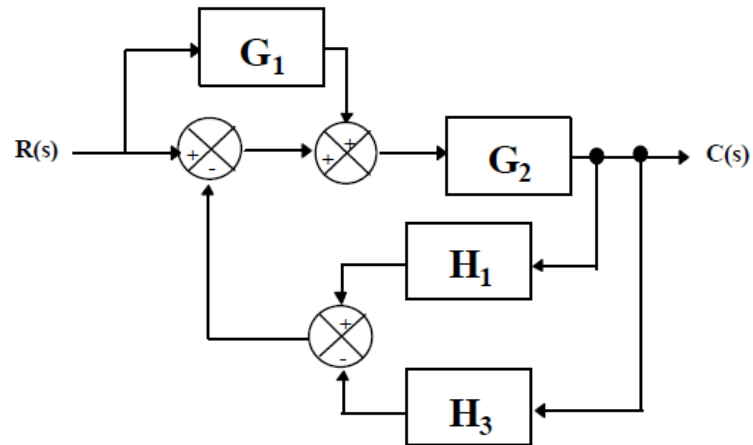
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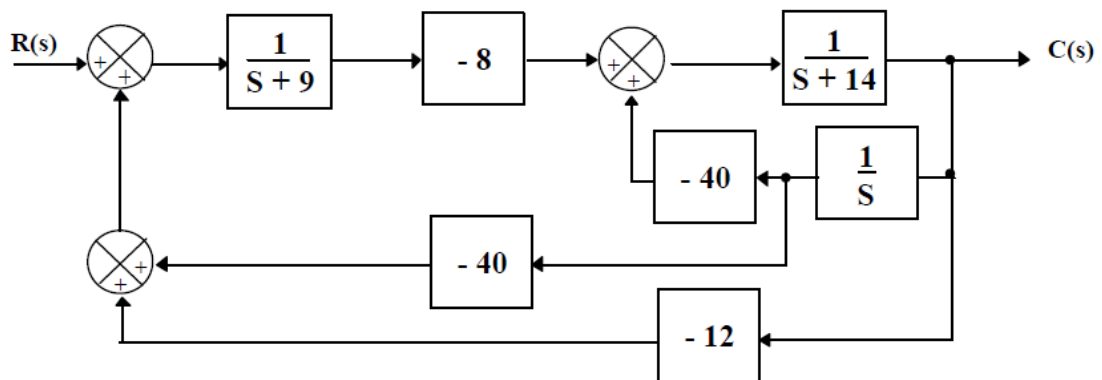
d)



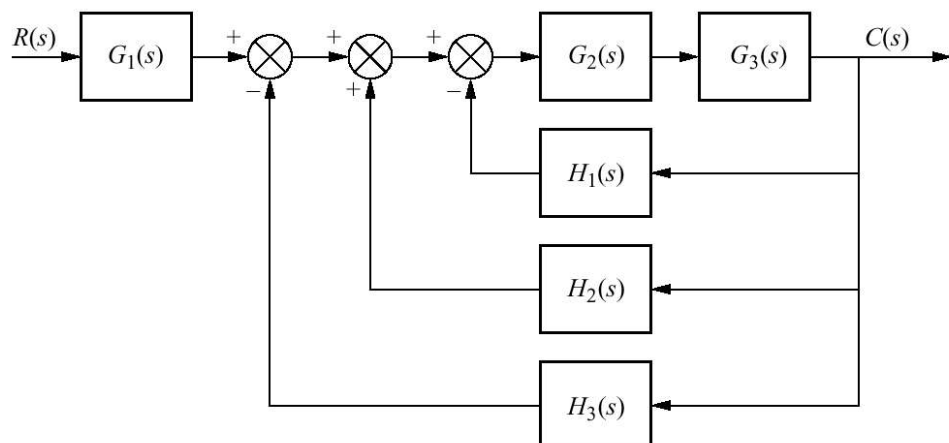
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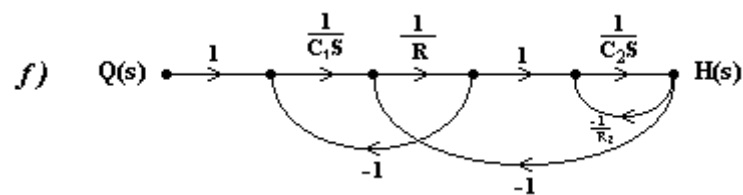
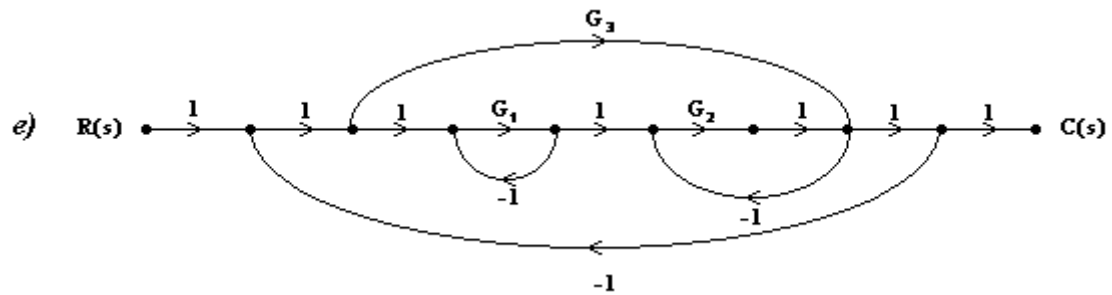
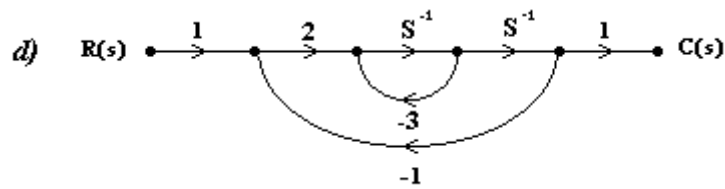
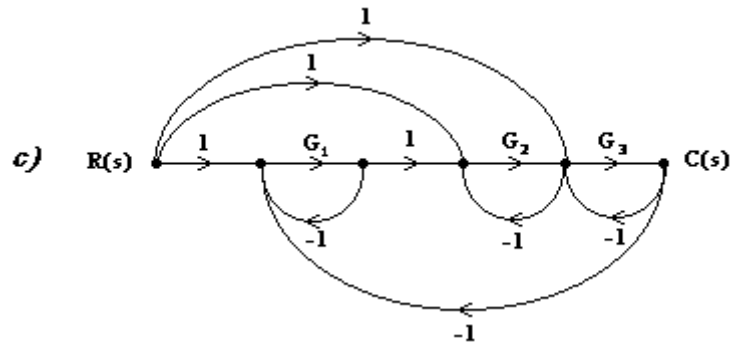
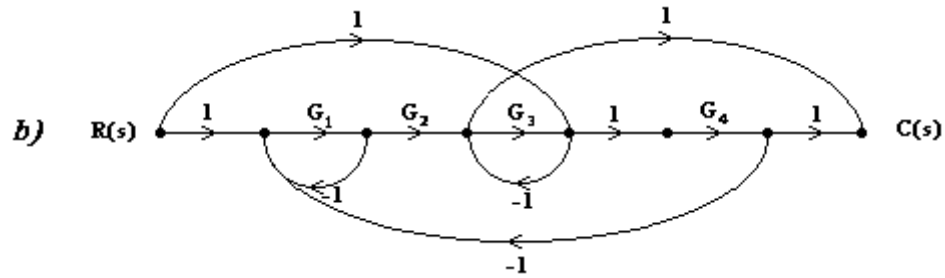
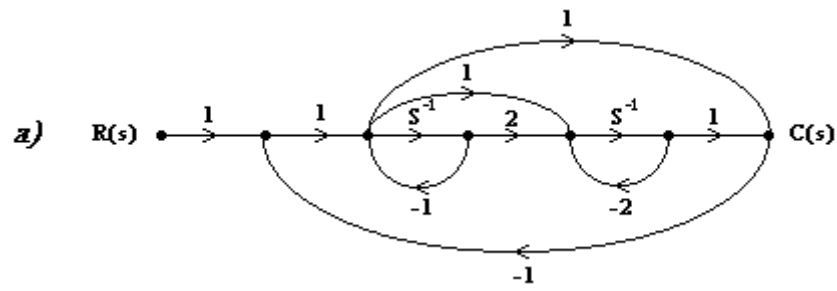
f)

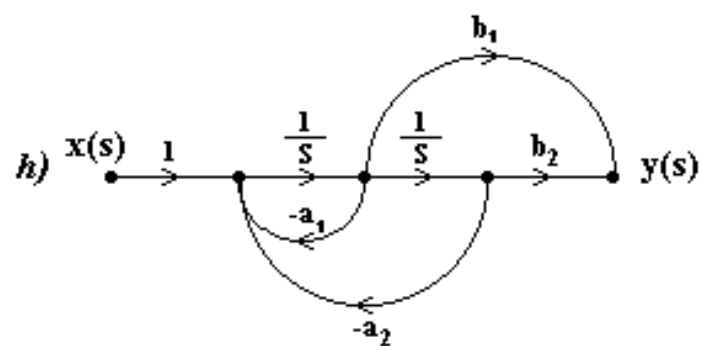
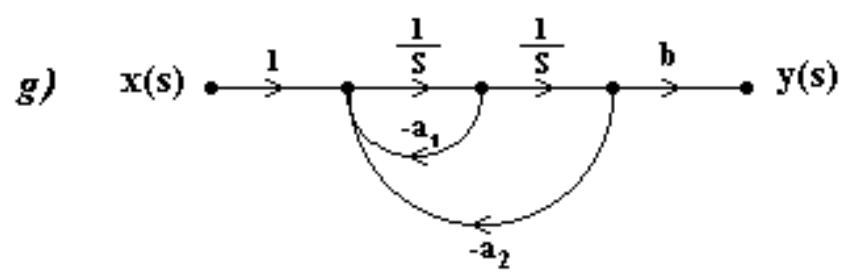


g)



2) Utilizando a Fórmula do Ganho de Mason, determine as Funções de Transferência dos Gráficos de Fluxo de Sinais abaixo:





i)

