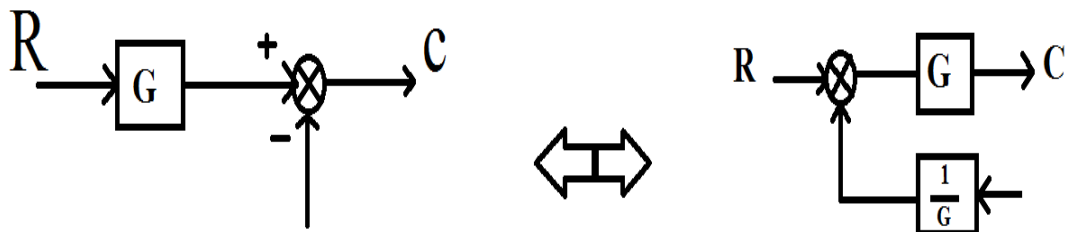
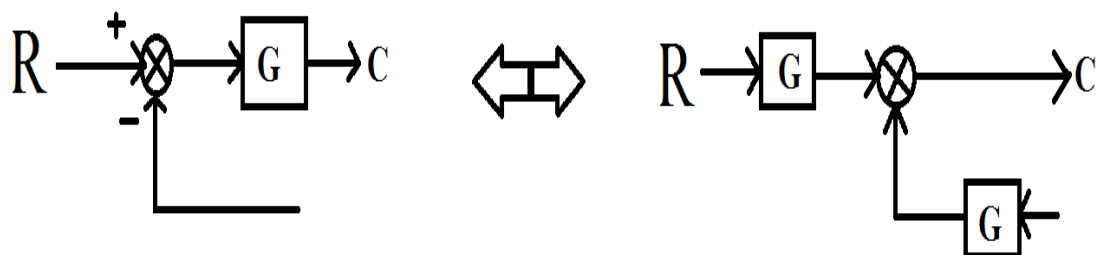


Block Diagram Reduction

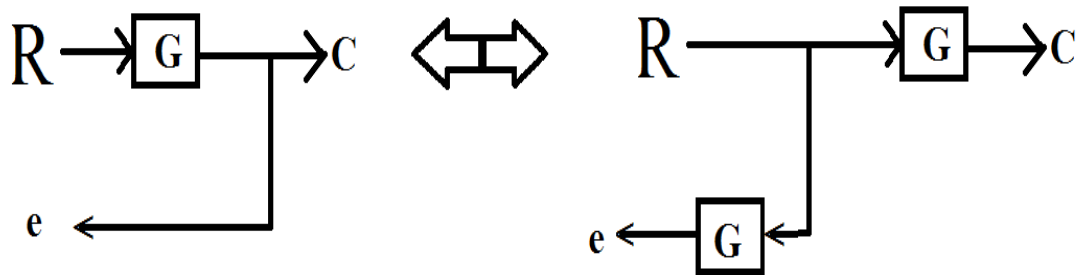
Rule 4: moving a summing point a head of a block



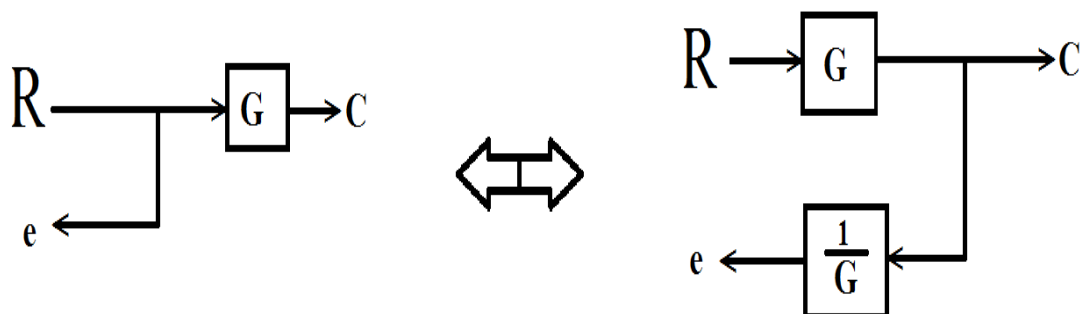
Rule 5: moving a summing point behind a block



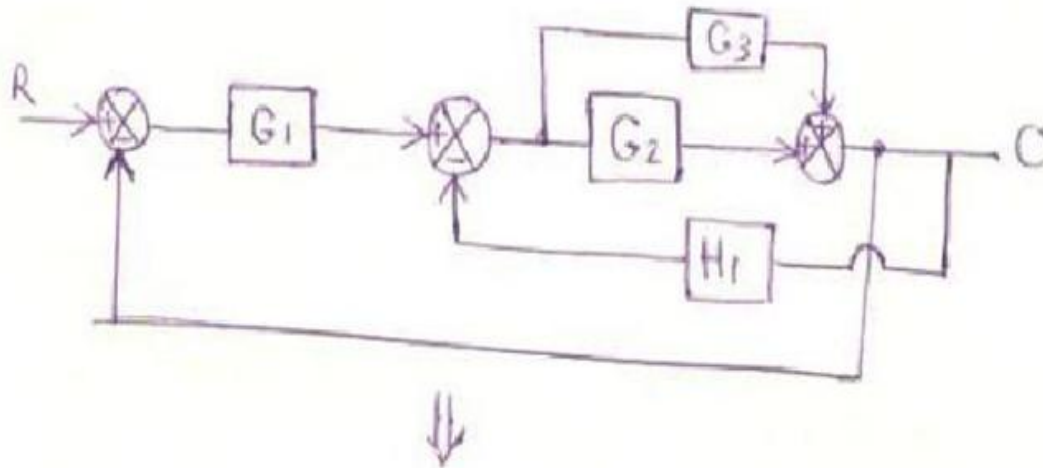
Rule 6: moving a take - off point a head of a block



Rule 7: moving a take - off point a behind a block

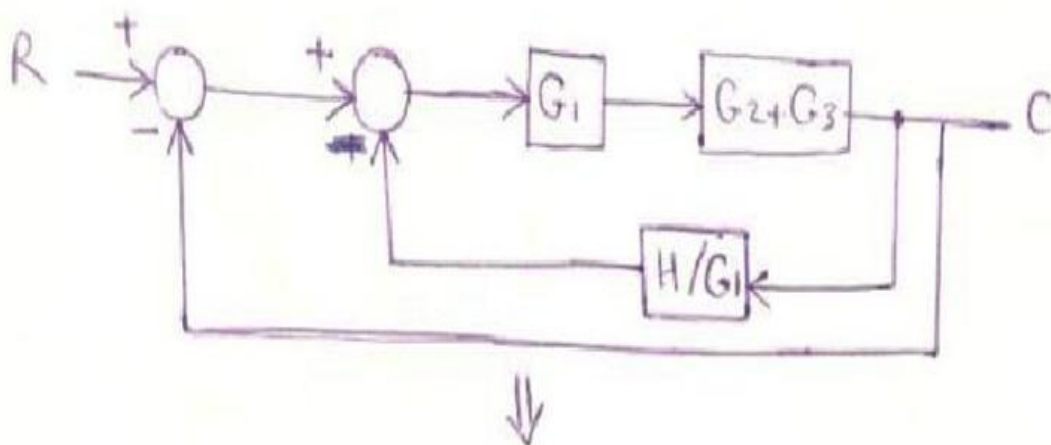


Example 1/ Find the transfer function between C to R for the diagram below.

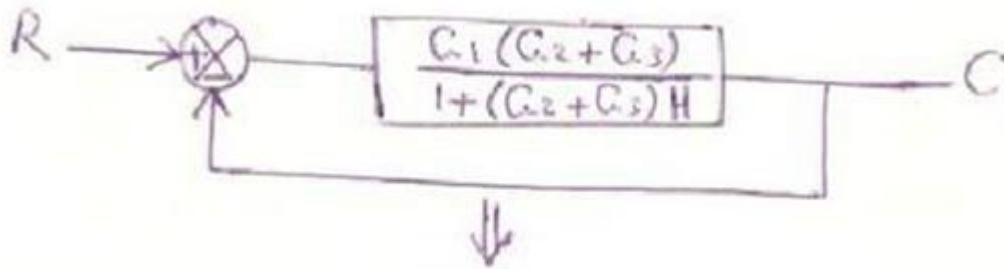


Answer

Step1 G_2 and G_3 in Parallel



Step2 G_1 and $(G_2 + G_3)$ in series and all in parallel with H



Step3 the out of step 3 is in parallel with 1

