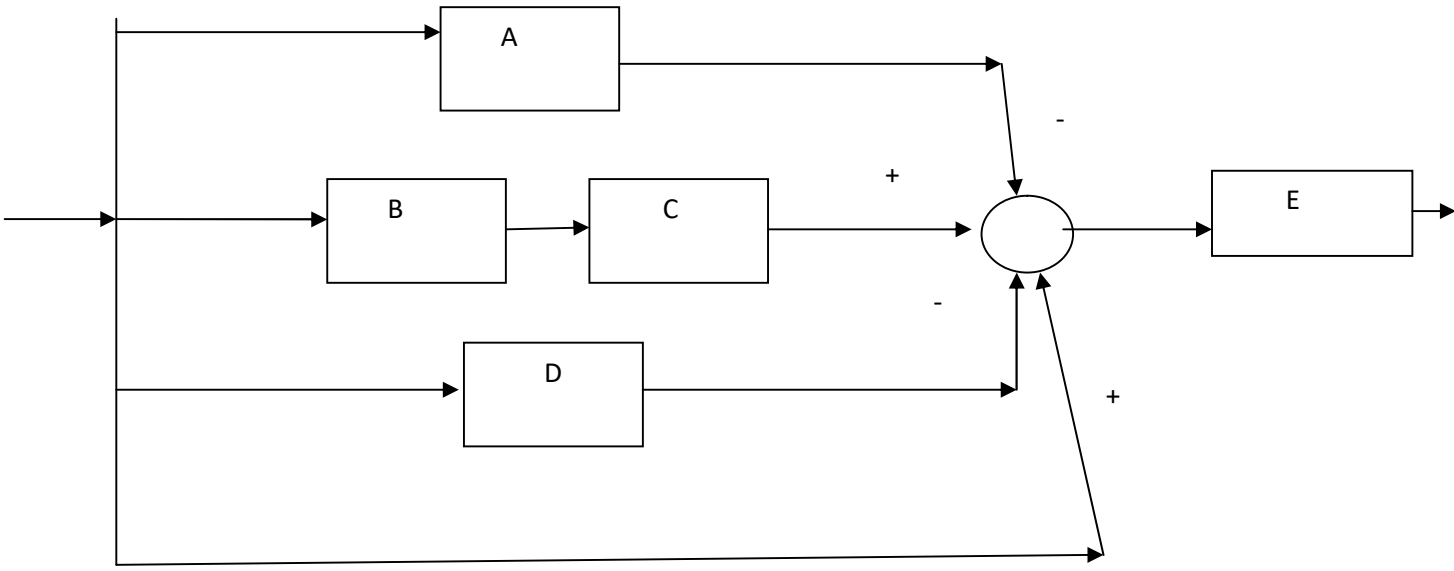
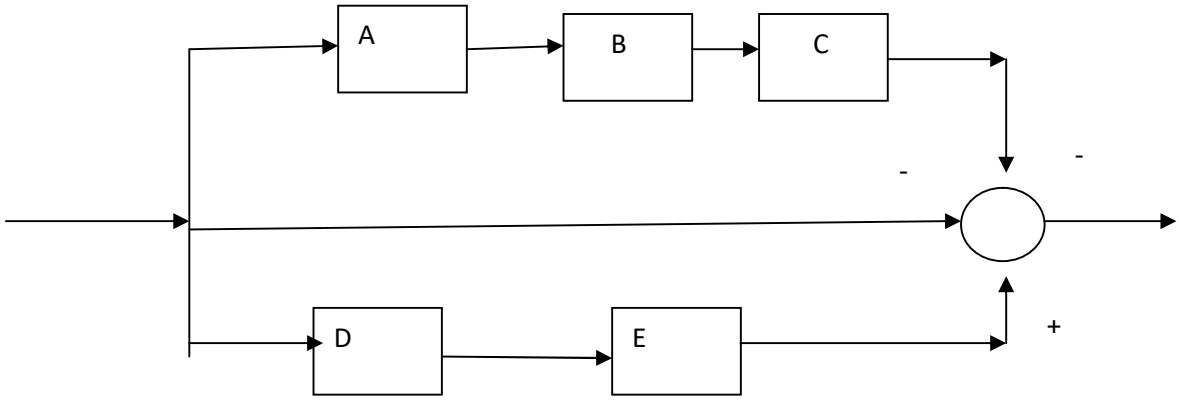
Y= (-A+B*C-D+1)*E



y=-A*B*C-1+D*E



1. A= 3; B=8; C=10; D=4; E=3;

   A*B*C=240; D*E=12; -240-1+12=-229

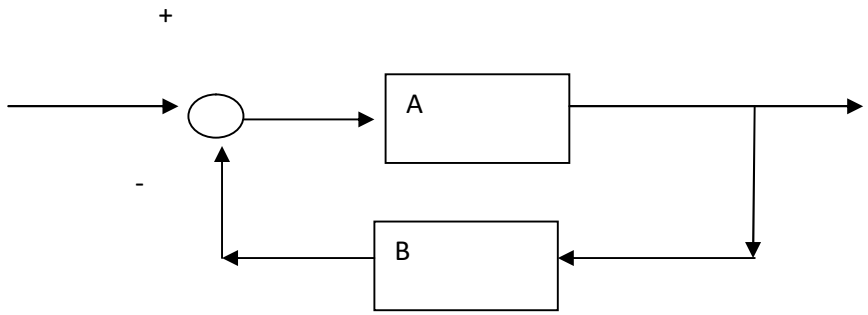
2. A=2*t; B=4/t; C=t+1; D=3*t+7; E=6

   A*B*C=(2*t)*(4/t)*(t+1)=8*(t+1)=8*t+8

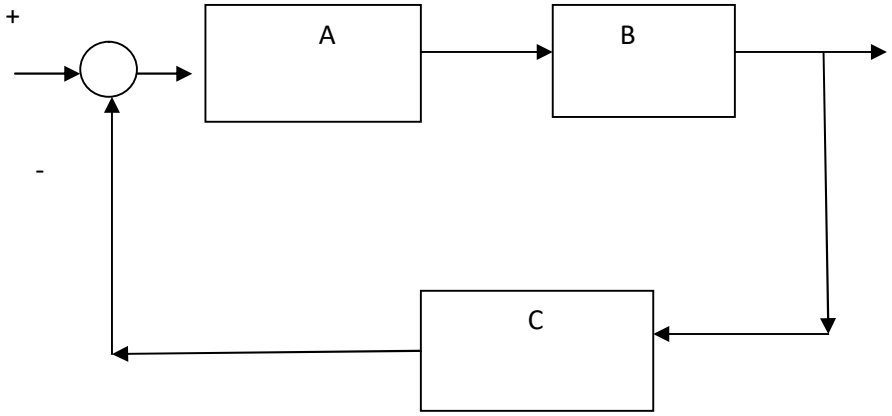
D*E=6*(3*t+7)=18*t+42

-(8*t+8)-1+(18*t+42)=-8*t-8-1+18*t+42=10*t+33

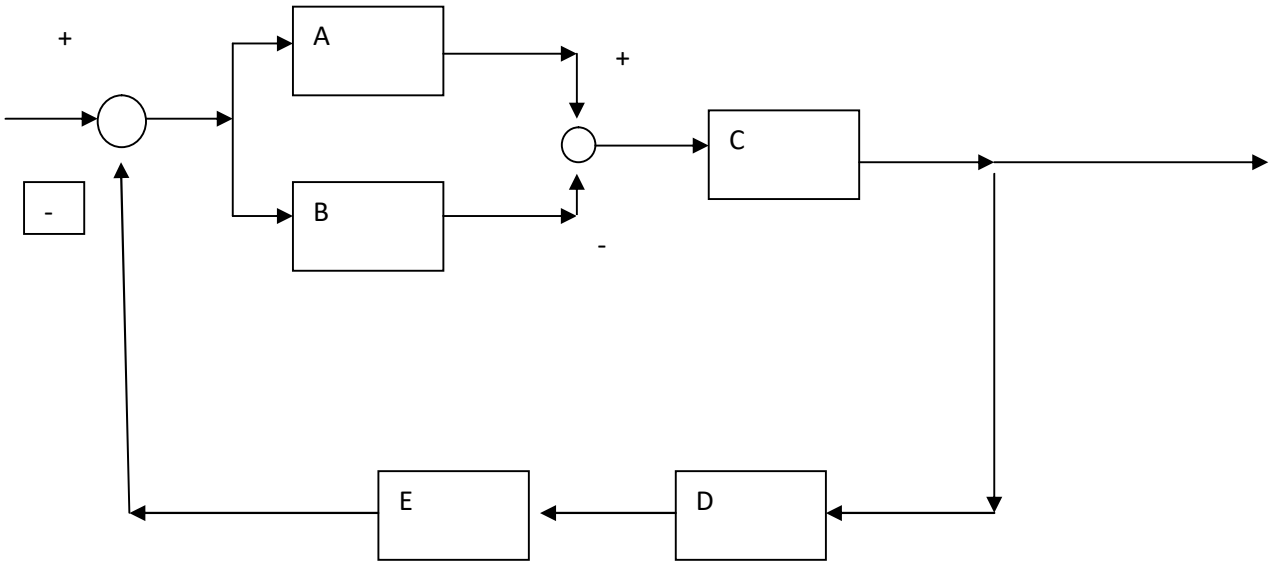
Retroazione negativa: A sul ramo diretto e B sul ramo di retroazione

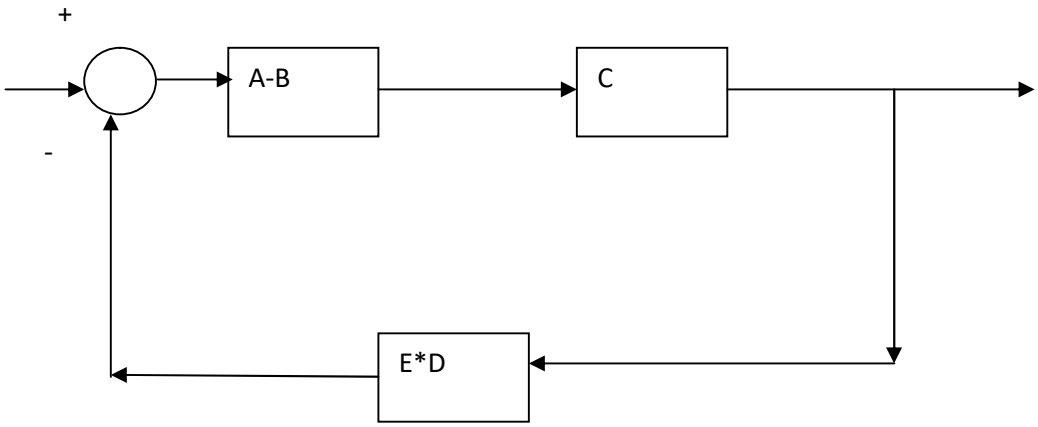


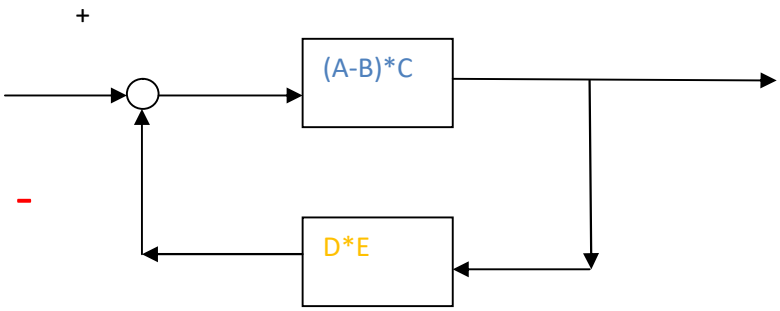
$$G = \frac{A}{1 + A * B}$$



$$\frac{A * B}{1 + A * B * C}$$







$$G=\frac{(A-B)*C}{1+(A-B)*C*D*£}$$

A=t ; B=2*t+1; C=5 ;D=3; E=t-6

$$G = \frac{[(t) - (2 * t + 1)] * 5}{1 + [(t) - (2 * t + 1)] * 5 * 3 * (t - 6)}$$