
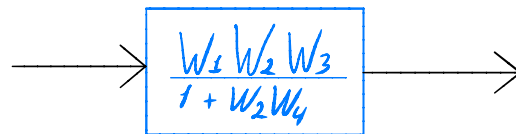
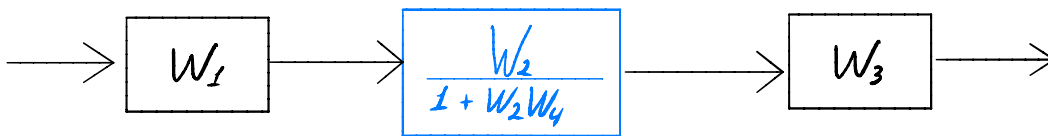
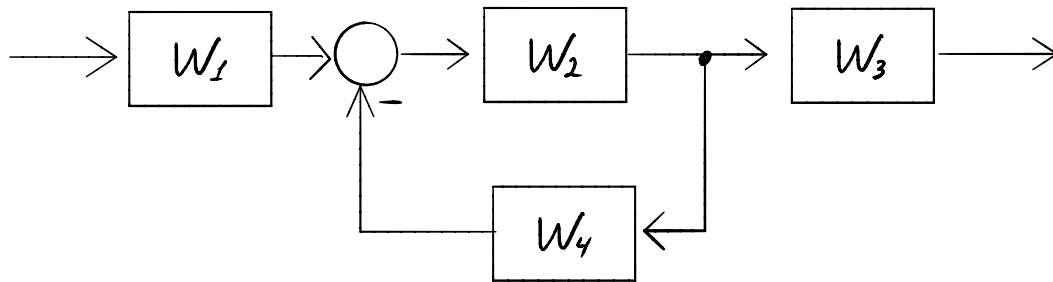


HW2. Ex2. Vao c.



Ex 2.1 Calculations




(c) $W_1 = \frac{2}{s^2+s-2}$, $W_2 = \frac{1}{3s+2}$, $W_3 = \frac{s+1}{s+0.3}$, $W_4 = \frac{1}{s+0.2}$

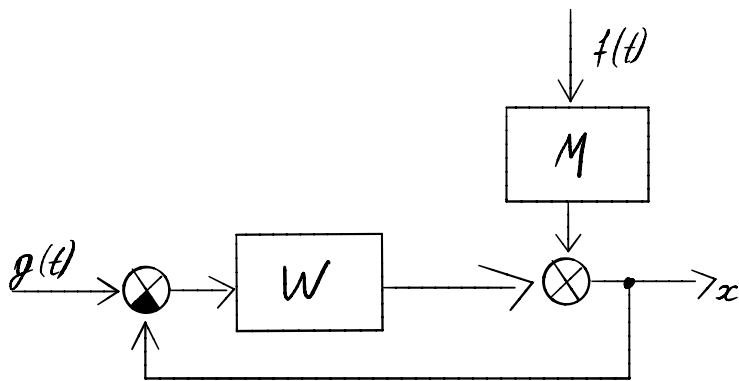
$$\frac{2(s+1)}{(s^2+s-2)(3s+2)(s+0.3)} \cdot \frac{1}{1 + \frac{1}{(3s+2)(s+0.2)}}$$

$$\frac{100s^2 + 120s + 20}{150s^5 + 325s^4 - 16s^3 - 220s^2 - 197s - 42}$$

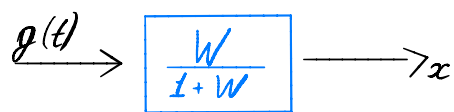
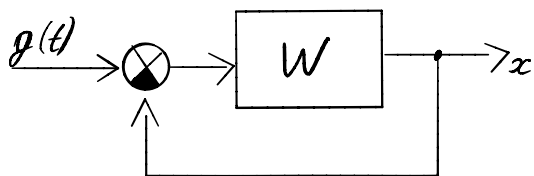
HW2. Ex3. Vao c.



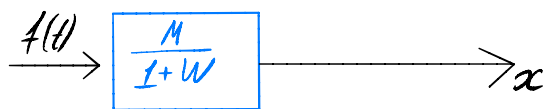
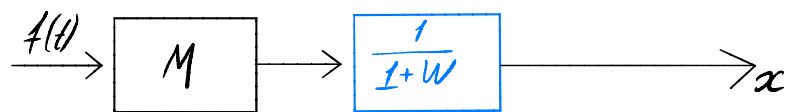
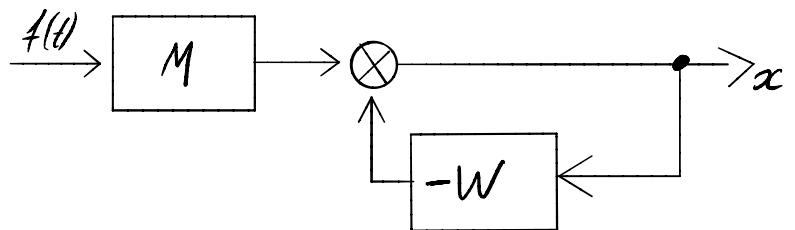
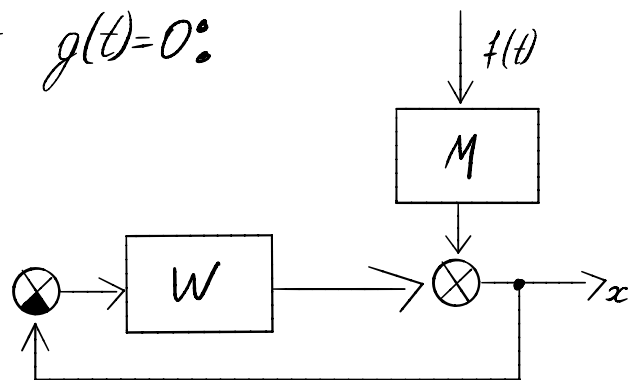
Ex 3 Calculations




for $f(t)=0$:

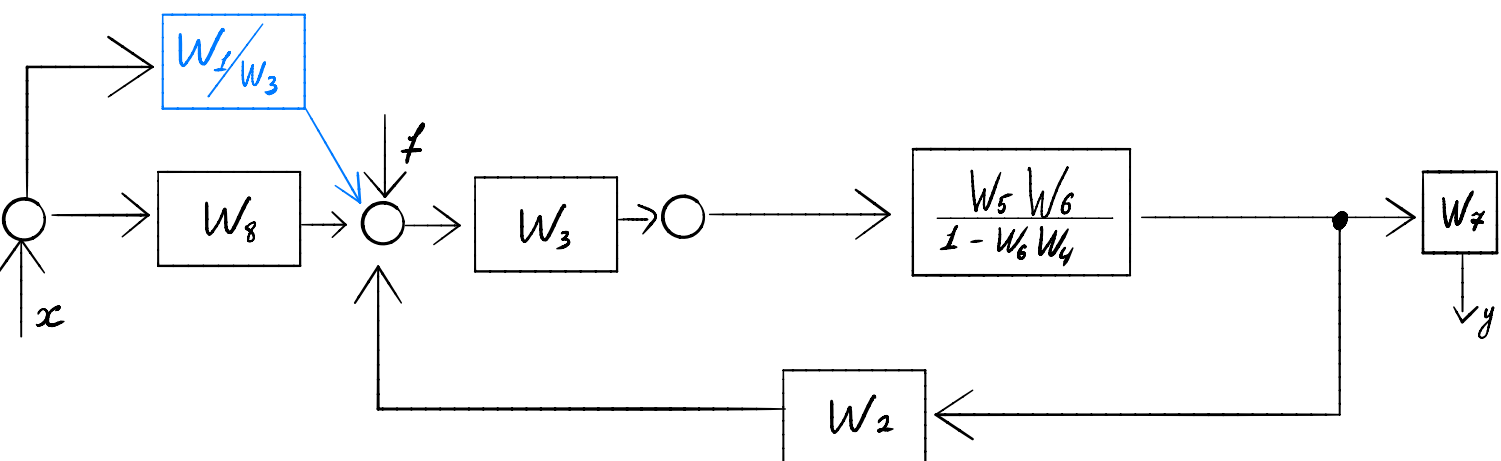
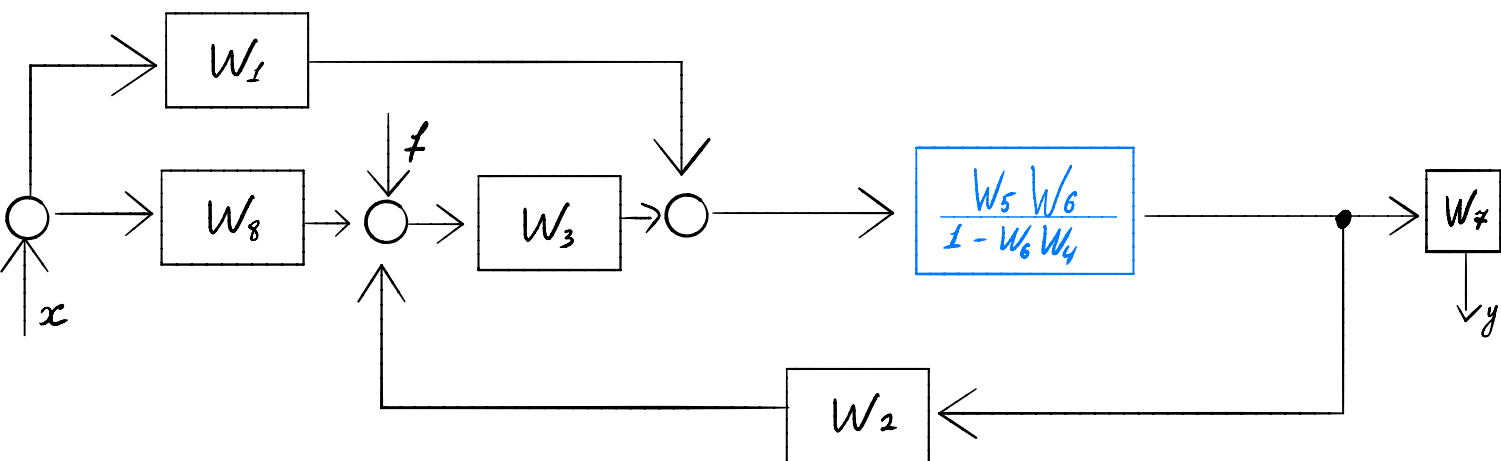
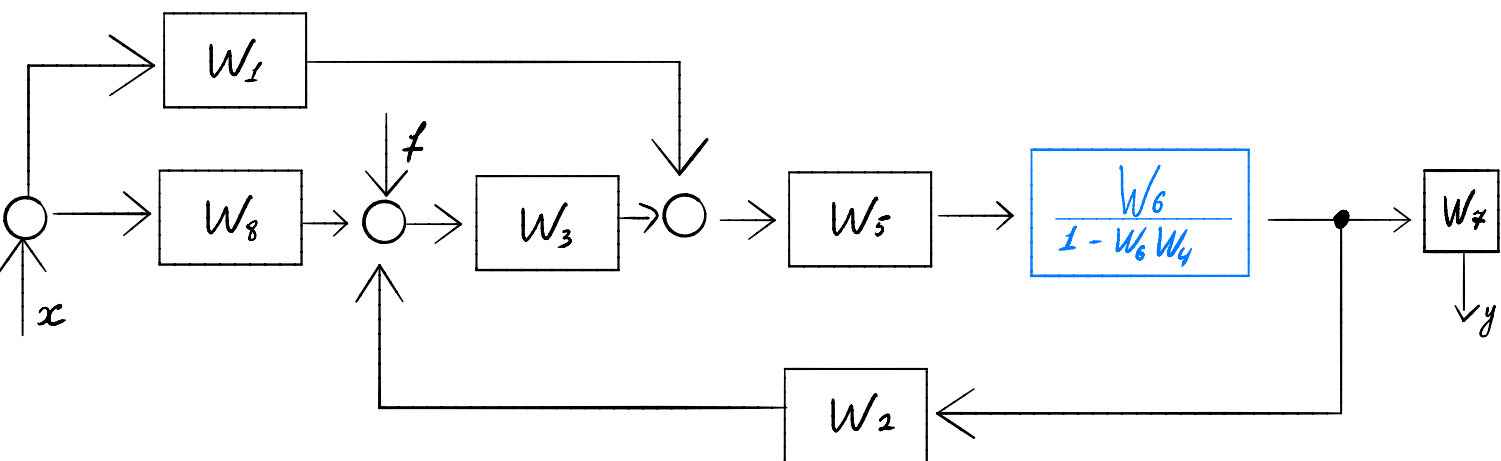
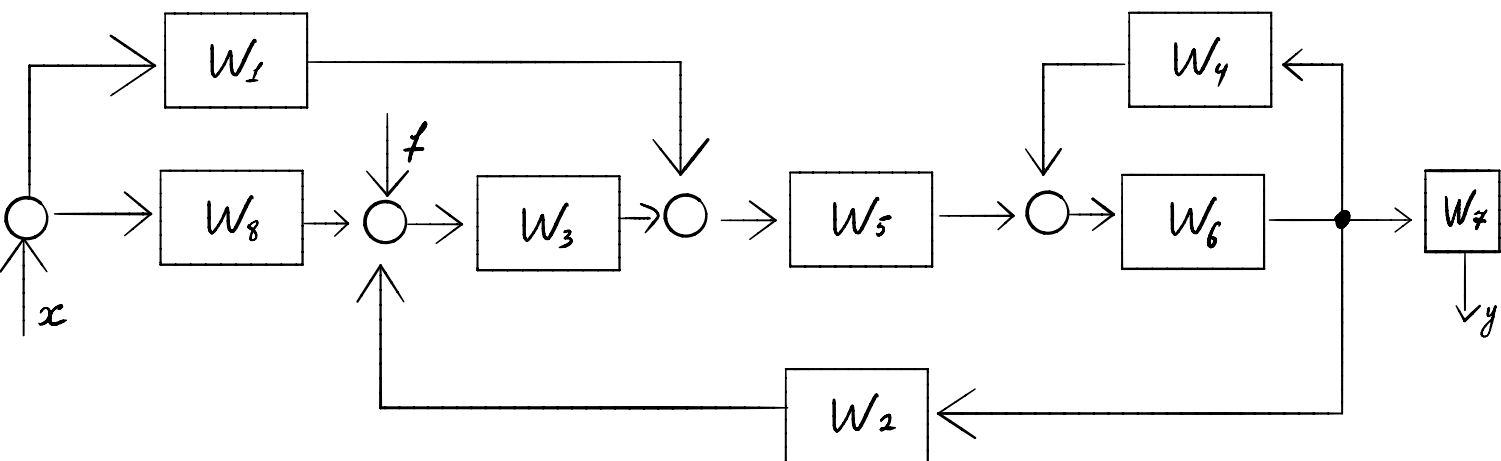


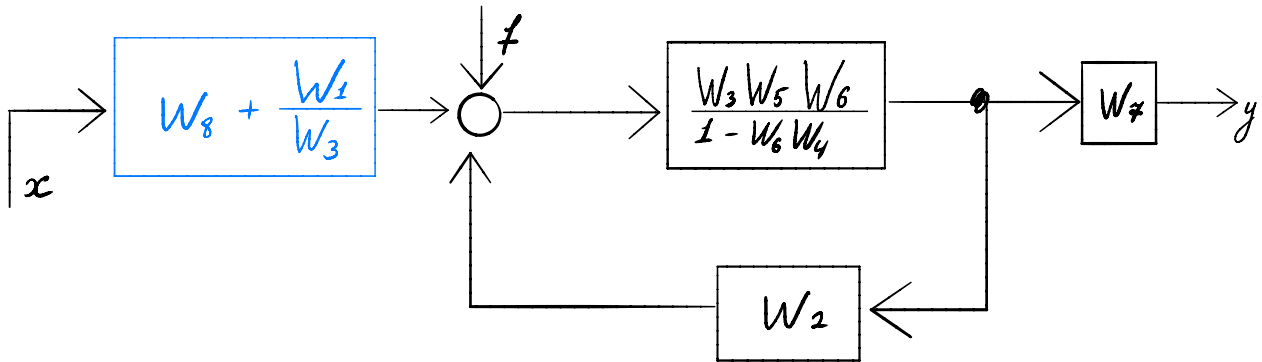
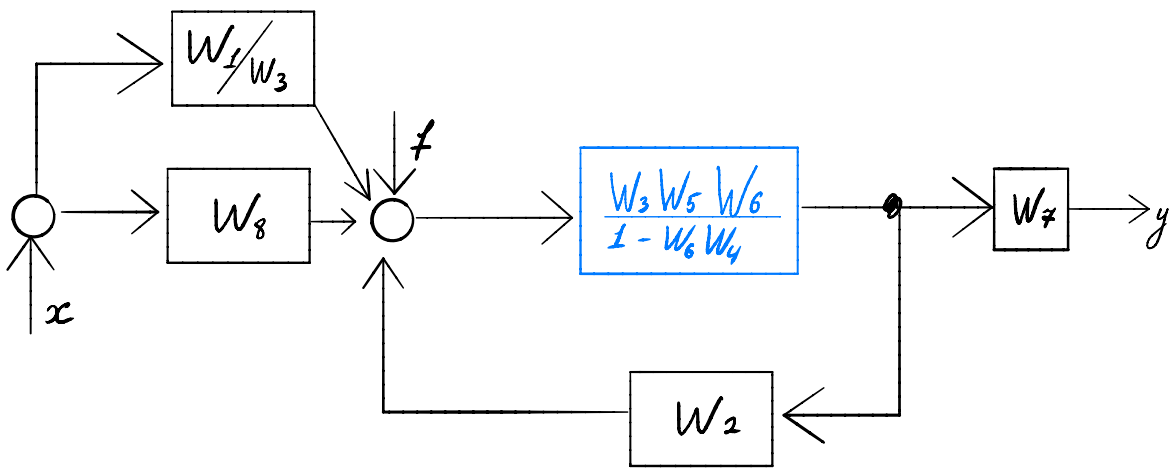
for $g(t)=0$:



HW2. Ex 6. Var C.







$$\frac{\frac{W_3 W_5 W_6}{1 - W_6 W_4}}{1 - \frac{W_2 W_3 W_5 W_6}{1 - W_6 W_4}} = \frac{W_3 W_5 W_6}{1 - W_6 W_4 - W_2 W_3 W_5 W_6}$$

