



$$\frac{\delta y(s)}{\delta x(s)} = 4 \cdot \frac{\frac{1}{2 \times 10^4}}{1 + \frac{2s}{2 \times 10^4}} = \frac{4}{2s + 2 \times 10^4} = \underline{\underline{\frac{2}{s + 10^4}}}$$