$$a_5 \frac{d^5 y(t)}{dt^5} + a_4 \frac{d^4 y(t)}{dt^4} + a_3 \frac{d^3 y(t)}{dt^3} + a_2 \frac{d^2 y(t)}{dt^2} + a_1 \frac{d\, y(t)}{dt} + a_0 y(t) = x(t)$$