$$D = \frac{T_3^2 - T_4^2}{T_{vh}^2 - T_4^2} \qquad B = \frac{COP^{k=2}(T_4) - COP^{k=1}(T_3) - D*[COP^{k=2}(T_4) - COP^{k=v}(T_{vh})]}{T_4 - T_3 - D*(T_4 - T_{vh})}$$

$$C = \frac{COP^{k=2}(T_4) - COP^{k=2}(T_3) - B*(T_4 - T_3)}{T_4^2 - T_3^2} \qquad A = COP^{k=2}(T_4) - B * T_4 - C * T_4^2$$