

$$T2 = x^2 - 2$$

$$T3 = x(x^2 - 2) - x$$

$$T4 = -x^2 + x(x(x^2 - 2) - x) + 2$$

$$T5 = -x(x^2 - 2) + x(-x^2 + x(x(x^2 - 2) - x) + 2) + x$$