$m := 0.5$ $c := 530$ $k := 25$ $s := 0.02$ $\sigma := 5.7 \cdot 10^{-8}$

$tA := 300$ $tR := 600$ $n := 700$ $p := 700$ $i := 0 \,..\, n$

$$l(t) := s \cdot \left(k \cdot (t - tA) + \sigma \cdot \left(t^4 - tA^4\right)\right)$$

$p1 := 500$ $tR2 := 0.9 \cdot tR$
$c1 := 800$ $tR3 := 0.8 \cdot tR$
$m1 := 1$ $tR4 := 0.7 \cdot tR$
$tR5 := 0.75 \cdot tR$

$$T(p, c, m, tR) := \left\| \begin{array}{l} i \leftarrow 0 \\ t \leftarrow tA \\ T_0 \leftarrow tA \\ h \leftarrow 1 \\ j \leftarrow 0 \\ \text{while } i < n \\ \quad \left\| \begin{array}{l} T_{i+1} \leftarrow T_i + \dfrac{p \cdot h - l\left(T_i\right)}{c \cdot m} \\ j \leftarrow j - 1 \\ \text{if } T_{i+1} > tR \\ \quad \left\| \begin{array}{l} h \leftarrow 0 \\ j \leftarrow 30 \end{array} \right. \\ \text{if } j \le 0 \\ \quad \left\| h \leftarrow 1 \right. \\ i \leftarrow i + 1 \end{array} \right. \\ T \end{array} \right.$$

$$X1 := T(p, c, m, tR) = \begin{bmatrix} 300 \\ 302.642 \\ 305.277 \\ 307.906 \\ \vdots \end{bmatrix}$$

$X2 := T(p1, c, m, tR2)$

$X3 := T(p, c1, m, tR3)$

$X4 := T(p, c, m1, tR4)$

$X5 := T(p, c, m, tR5)$