**Input**

Vmem, Vthd, D, R

**Set** Vmem Equals Zero;

**While** i equals 0 , increase 0 until i equals Vmem

**Do**

Ti equals (Vi/R)

γ equals (aTi + bD +c)

(Wi+1) equals γTiD

(Vi+1) equals (TiD −Wi+1)

**if** (Vi+1) equals or smaller than( Vthd) **or** (Vi+1) Is greater than Vi

**then**

**Set** (Vi+1) Equals TiD

**Set** (Ti+1) Equals (Vi+1/R)

**Set** (Tdown) Equals (Ti+1 +Tresume)

**break**

**end if**

**end for**

**Print**: Vmig Equals Sum Vi To Vmax

**Print**: Tmig Equals Sum Ti To Tmax

**Output**

Vmig, Tmig, Tdown