Simutaled Annealing 13th OCT'18

1. Initialize $T_0 = 15$ $n = 7$; $L = 20$; $\varepsilon = 10^{-2}$
   Matrix   M (use the earlier given to you)
   $x = (1\ 7\ 2\ 4\ 6\ 5\ 3)$; ← initial solution
   $fx = eval(x)$ ← distance calculation

2. while $T > \varepsilon$ do

3. ─ For $i = 1$ to L do
   3.1 $n1 = 1 + floor(rand \times 7)$; $n2 = 1 + floor(7 \times rand)$
   3.2 while $n1 = n2$ do $n1 = 1 + floor(7 \times rand)$
        end While

   3.3 $Y = x$; Temp $= Y(n1)$; $Y(n1) = Y(n2)$; $Y(n2) = $

   3.4 Temp; $fy = eval(Y)$

4. ─ If $fy < fx$ then $x = y$; $fx = fy$
     eheif   random $< e^{-(fy - fx)/T}$ then
     $x = y$; $fx = fy$
   ─ end if
   ─ end

5. $T = 0.9\ T$
   end white