function SIMULATED-ANNEALING(*problem*, *schedule*) **returns** a solution state

current ← *problem*.INITIAL

for $t = 1$ **to** ∞ **do**

$T \leftarrow schedule(t)$

if $T = 0$ **then return** *current*

next ← a randomly selected successor of *current*

$\Delta E \leftarrow$ VALUE(*current*) – VALUE(*next*)

if $\Delta E > 0$ **then** *current* ← *next*

else *current* ← *next* only with probability $e^{\Delta E/T}$