```
function SimulatedAnnealingMin()
    T ← T_max
    best ← INIT()
    while T > T_min do
        next ← NEIGHBOUR(T, best)
        ΔE ← ENERGY(next) − ENERGY(best)
        if ΔE < 0 then
            best ← next
        else if RANDOM() < ACCEPT(T, ΔE) then
            best ← next
        T ← COOLING(T, best)
    return best
```