

procedure SA($f : \mathbb{X} \mapsto \mathbb{R}, T_0, \varepsilon$)
 randomly sample x_c from \mathbb{X} ; $y_c \leftarrow f(x_c)$;

while \neg terminate **do**
 $x_n \leftarrow \text{move}(x_c)$; $y_n \leftarrow f(x_n)$;

if $y_n \leq y_c$ **then**
 $x_c \leftarrow x_n$; $y_c \leftarrow y_n$;