```
procedure (1+1) FEA(f : X \mapsto N)
H \leftarrow (0, 0, \cdots, 0):
randomly sample x_c from X: y_c \leftarrow f(x_c):
x_{\rm B} \leftarrow x_c; y_{\rm B} \leftarrow y_c;
while ¬ terminate do
    x_n \leftarrow move(x_c): y_n \leftarrow f(x_n):
     H[y_c] \leftarrow H[y_c] + 1; H[y_n] \leftarrow H[y_n] + 1;
     if H[y_n] \leq H[y_c] then
          x_c \leftarrow x_n; \ y_c \leftarrow y_n;
          if y_c < y_B then x_B \leftarrow x_c; y_B \leftarrow y_c;
return x_{\rm B}, y_{\rm B}
```