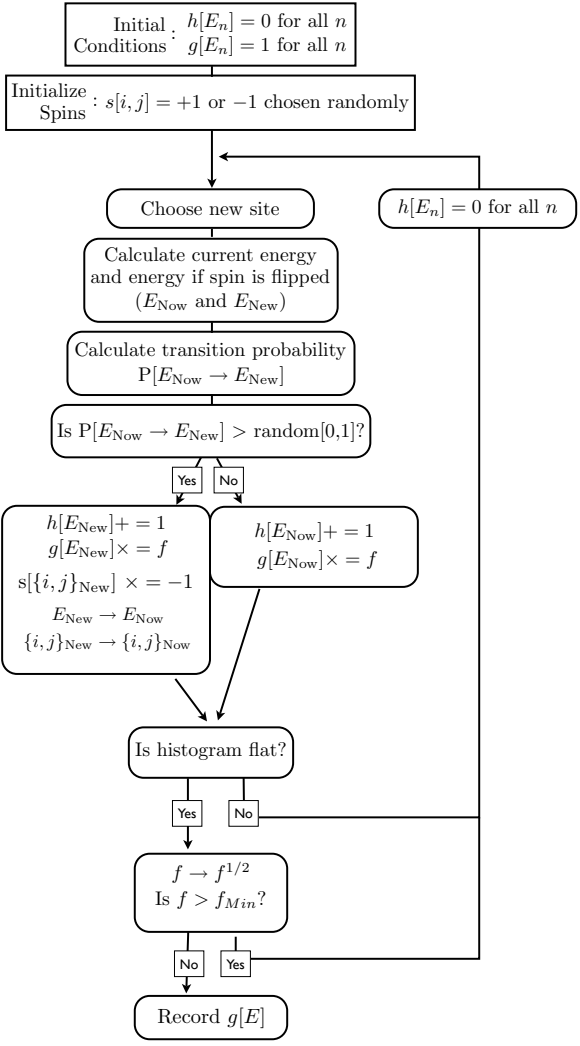
Initial Conditions : $h[E_n] = 0$ for all n
$g[E_n] = 1$ for all n
Initialize Spins : $s[i,j] = +1$ or -1 chosen randomly
Choose new site
$h[E_n] = 0$ for all n
Calculate current energy and energy if spin is flipped (E_{Now} and E_{New})
Calculate transition probability $\mathrm{P}[E_{\mathrm{Now}} \rightarrow E_{\mathrm{New}}]$
Is $\mathrm{P}[E_{\mathrm{Now}} \rightarrow E_{\mathrm{New}}] > \mathrm{random}[0,1]$?
Yes
No
$h[E_{\mathrm{New}}] += 1$
$g[E_{\mathrm{New}}] \times = f$
$\mathrm{s}[\{i,j\}_{\mathrm{New}}] \times = -1$
$E_{\mathrm{New}} \rightarrow E_{\mathrm{Now}}$
$\{i,j\}_{\mathrm{New}} \rightarrow \{i,j\}_{\mathrm{Now}}$
$h[E_{\mathrm{Now}}] += 1$
$g[E_{\mathrm{Now}}] \times = f$
Is histogram flat?
Yes
No
$f \rightarrow f^{1/2}$
Is $f > f_{Min}$?
No
Yes
Record $g[E]$