$$
\begin{aligned}
1. &\quad v(0) &&:= \text{instance} \\
2. &\quad n &&:= 0 \\
3. &\quad p_h &&:= \phi\big(W^T v(n)\big) \\
4. &\quad h(n) &&:= \text{Bernoulli}(p_h) \\
5. &\quad p_v &&:= \phi\big(W h(n)\big) \\
6. &\quad v(n+1) &&:= \text{Bernoulli}(p_v) \\
7. &\quad n &&:= n+1 \\
8. &\quad \text{goto} &&\ \ 3. \ \text{until convergence}
\end{aligned}
$$