$\label{eq:code2d} \begin{array}{l} \mbox{ToricCode2d h=(0.0, 0.8, 0.0): size=[3 \ 3], ToricCRBM_2, alpha=1, \#p=157, lr from 0.01 to 0.001} \\ & n_discard=24, n_chains=256, n_samples=16384 \\ & pre_init=False, stddev=0.01, trans_dev=0, swipe=left_right \\ \end{array}$

 $E0 = -19.30847 + -0.0 \text{ using SR with diag_shift} = 0.0001 \text{ down to } 1e-05, \text{ max_prob} = (0.0009004075888353111 + 0j)$

