$\label{eq:code2d} \begin{tabular}{ll} ToricCode2d h=$(0.0, 0.0, 0.4): 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=independent \\ \end{tabular}$

 $E0 = -19.23781 + -0.0 \text{ using SR with diag_shift} = 0.0001 \text{ down to } 1e-05, \text{max_prob} = (0.28277089989749216 + 0j)$

