$\label{eq:code2d} \begin{array}{l} \mbox{ToricCode2d h=(0.0, 0.0, 0.5): size=[3 \ 3], ToricCRBM, alpha=1, \#p=153, Ir from 0.01 to 0.001 \\ n\_discard=48, n\_chains=512, n\_samples=10240 \\ pre\_init=False, stddev=0.01, trans\_dev=0.001, swipe=independent \end{array}$ 

 $E0 = -20.34189 + -0.0 \text{ using SR with diag_shift} = 0.0001 \text{ down to 1e-05, max_prob} = (0.5014165711216991+0j)$ 

