Pottsmodel It can be considered as generalisation of the Ising model, where the spin can take on more than just two values. Usually they are enumerated $s \in \{1, 2, \ldots, q\}$. It is called the q-state Potts model. The Hamiltonian of the Potts model reads Pottsmodel$q$ states align $H_P = -J \sum_{ij} \delta_{s_i s_j}$,