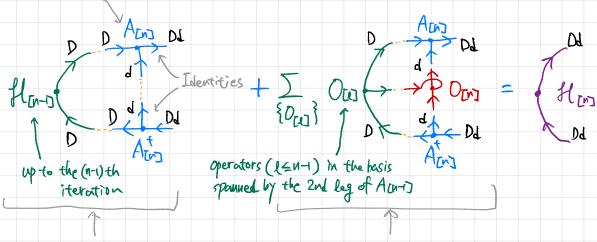
Iterative diagonalization



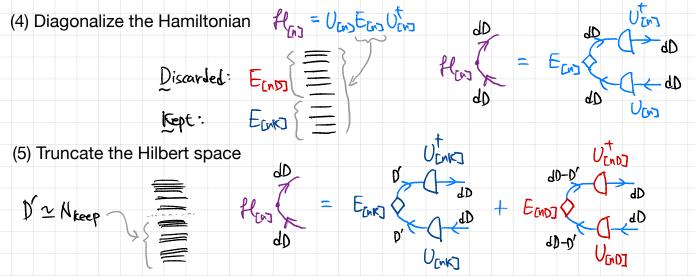
At each iteration of computing matrix elements of the Hamiltonian ("along the zipper"):

(1) Define the identity tensor



(2) Expand the Hamiltonian in the new basis for the n-th iteration

(3) Add terms (e.g., particle hopping, spin-spin interaction)



Note: Keep degenerate states (e.g., belonging to the same symmetry multiplet) together (or discard them together), not to artificially break the symmetry of the system

