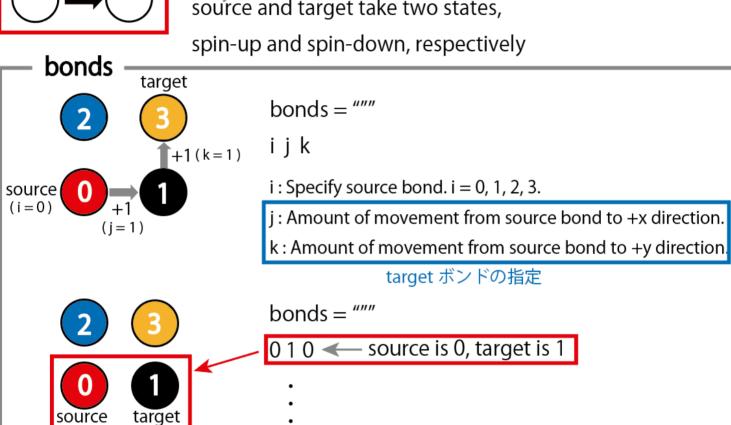
[[hamiltonian]]

$$\mathcal{H} = \sum_{i,j} \overline{\mathcal{H}_{ij}}$$
 Bond Hamiltonian

target

source

dim = [2, 2]source and target take two states,



elements = """
$$\frac{\langle 10 | \mathcal{H}_b | 01 \rangle}{0 \ 1 \ 1 \ 0 \ 0.5 \ 0.0}$$
 s : source, t : target
$$= {}_{s} \langle \downarrow | \otimes {}_{t} \langle \uparrow | \mathcal{H}_b | \uparrow \rangle_{s} \otimes | \downarrow \rangle_{t}$$

 $= {}_{\mathbf{s}}\langle\downarrow|\otimes {}_{\mathbf{t}}\langle\uparrow| \mathcal{H}_b | |\uparrow\rangle_{\mathbf{s}}\otimes|\downarrow\rangle_{\mathbf{t}}$ post-action pre-action = 0.5 + 0 i

Real

Imaginary

111111