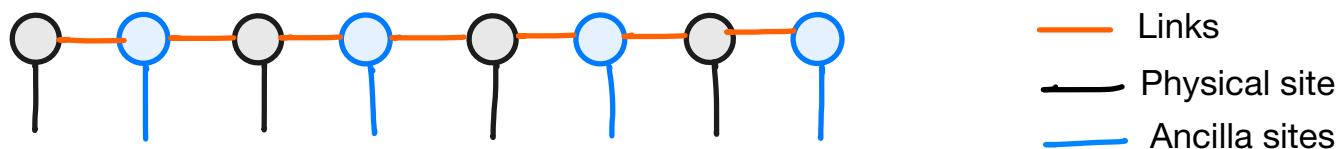Four pairs of entangled particles

Links
Physical site
Ancilla sites
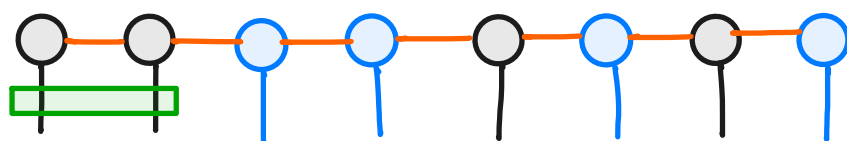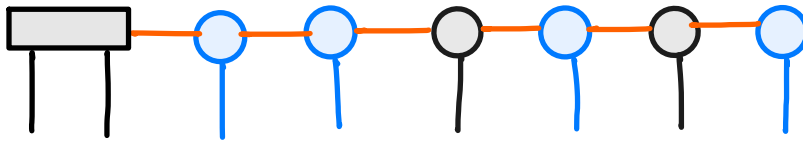
I : first swap the physical and ancilla in indices
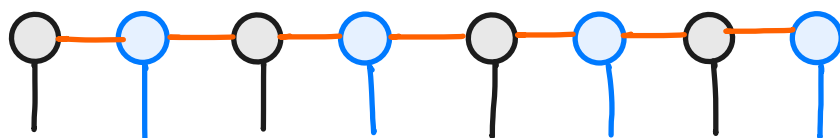
SVD of green block
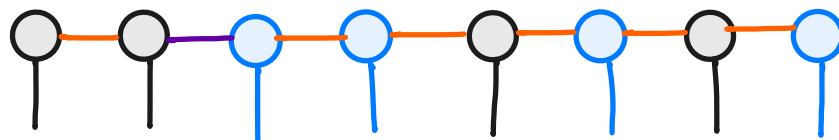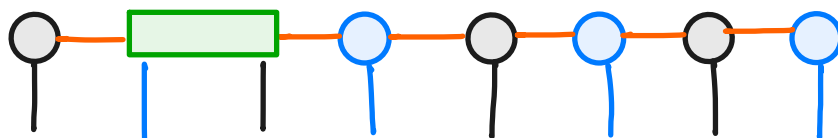
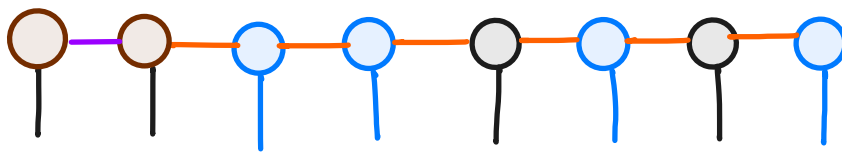II : Apply trotter gate

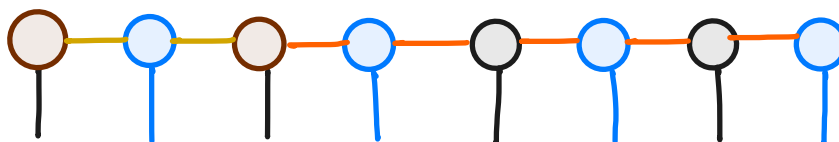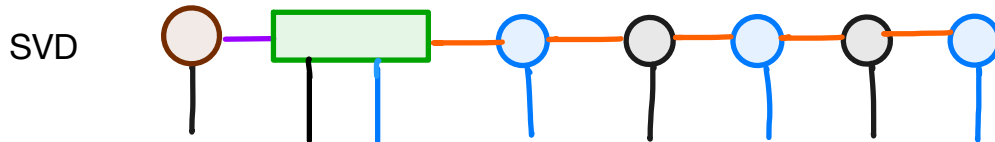change back to MPS using SVD

III : Swap back the ancilla and physical index

SVD

Continue the method for next physical sites