

















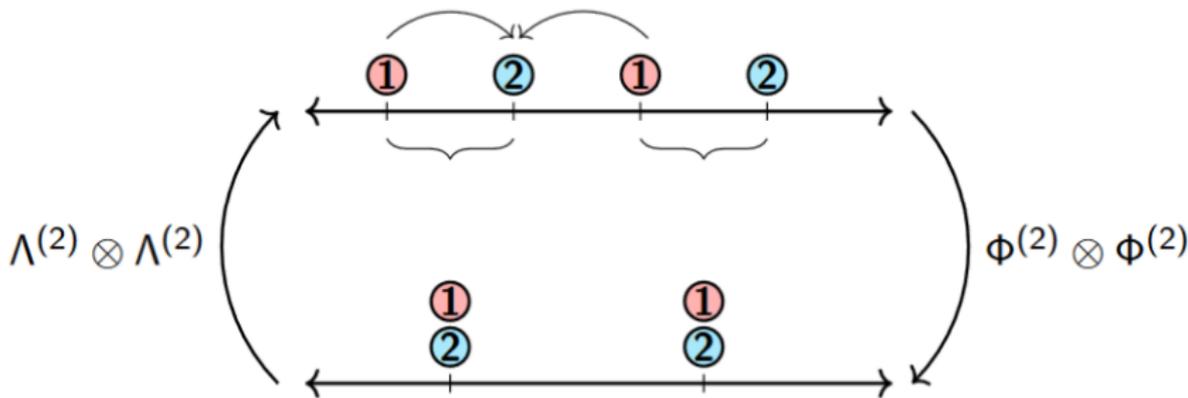








# Middle Swap

















# Relaxation Time

**Relaxation time** is  $\frac{1}{|\lambda_2|}$  [Bli64].

For  $q > 1$ ,  $\lim_{n \rightarrow \infty} \frac{1}{|\lambda_2|} = 0$ , so speed of convergence to stationary distribution accelerates for 2 and 3-state communicating classes.

For  $0 < q < 1$ ,  $\lim_{n \rightarrow \infty} \frac{1}{|\lambda_2|} = \infty$ , so speed of convergence to stationary distribution becomes very slow for 2 and 3-state communicating classes.

























































































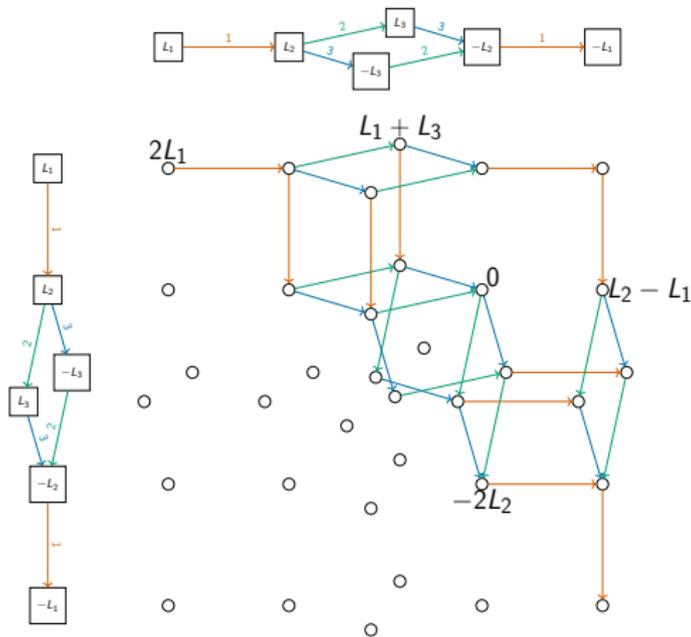






What we've been up to

# Weight Spaces of $W$



**Figure:** Weights in the crystal graph of  $W$  ▶ ◀ ≡ ≡ ≡ ≡ ≡ ≡ ≡ ≡ ≡ ≡ ≡ ≡ ≡

































