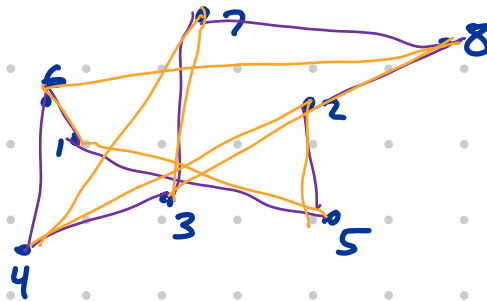


14 March 2024

Traveling Salesperson Problem

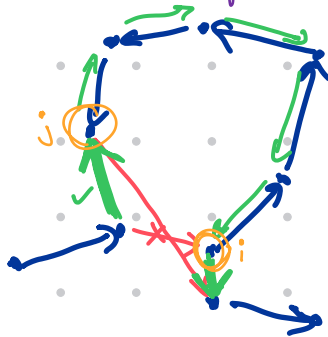
Proposal Transitions



tour: $\{1, 6, 4, 3, 7, 8, 2, 5\}$
↓
 $\{1, 6, 8, 3, 7, 4, 2, 5\}$

option 1: swap 2 indexes

option 2: reverse part of the tour:



tour: $\{v_1, \dots, v_{i-1}, v_i, v_{i+1}, \dots, v_j, v_{j+1}, \dots, v_n\}$
↓ reverse

new tour: $\{v_1, \dots, v_{i-1}, v_j, v_{j-1}, \dots, v_{i+1}, v_i, v_{j+1}, \dots, v_n\}$

