

Problem Set 8

Due: Tuesday, April 8, 2025 at 10am

Problem 8.1 [Flat-State Connectivity].

- (a) Show that the two flat configurations of the fixed-angle tree in Figure 1 are connected (i.e., one can be transformed into the other without collisions).
- (b) Argue that the fixed-angle graph in Figure 2 is flat-state disconnected.

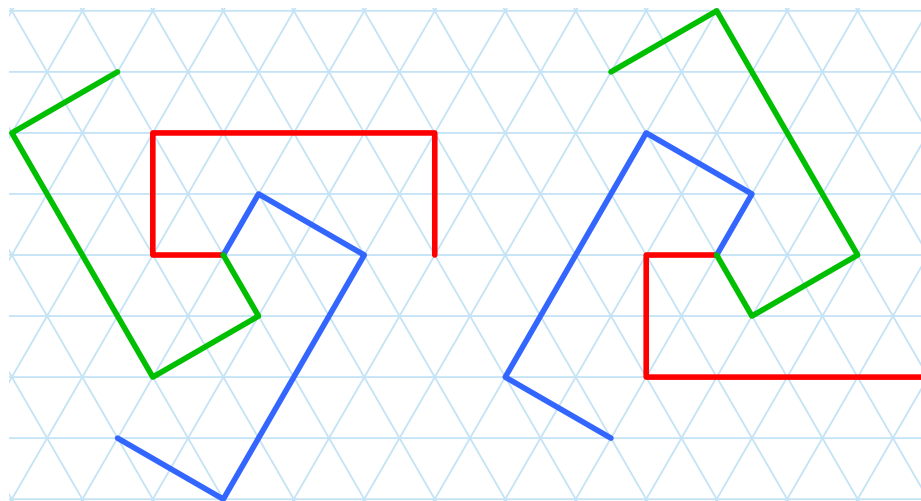


Figure 1: Two flat configurations of a fixed-angle tree.

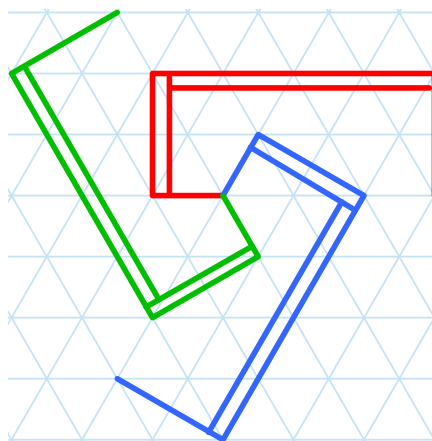


Figure 2: A fixed-angle graph (or equivalently, a partially rigid fixed-angle tree).