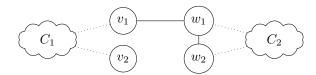
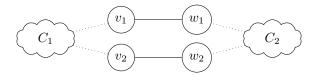


#### Step 1:



#### Step 2:



**Result:** The components are connected while  $d(v_1), d(v_2), d(w_1), d(w_2)$  have not been modified.

For a set  $C = \{G_1, ..., G_n\}$  of connected components:

$$\pi(C) = \sum_{i=1}^{n} \frac{|\{v \in V(G_i) \mid d(v) \text{ odd}\}|}{2}$$
 (1)