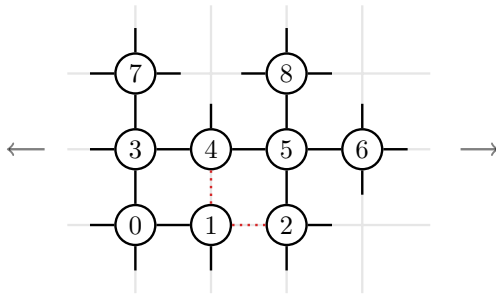
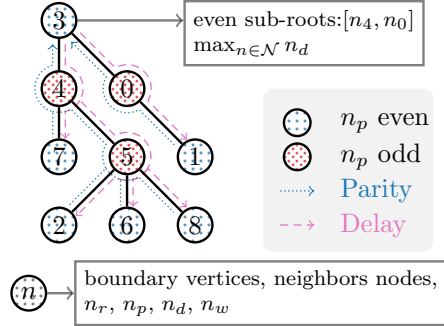


(a) Cluster-tree (Union-Find)



(b) Vertex-tree \mathcal{V}



(c) Node-tree \mathcal{N} (Node-Suspension)