



Kruskal's algorithm

Sort all edges by their weight

9 19 31 42 51 75 95

Choose **9** → { **0** , **1** } { **2** } { **3** } { **4** }

Choose **19** → { **0** , **1** , **3** } { **2** } { **4** }

Choose **31** → { **0** , **1** , **3** , **4** } { **2** }

Can't choose **42** because **4** is in the same set as **1**

Choose **51** → { **0** , **1** , **2** , **3** , **4** , **5** }