Minimum Spanning Tree

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In [ ]: import networkx as nx
        import pygraphviz as pgv
        from nxpd import draw, nxpdParams
        nxpdParams['show'] = 'ipynb'
        G = nx.Graph()
        G.add_edges_from([
                ('a', 'b', {'weight':2, 'label': 2}),
                ('a', 'c', {'weight':3, 'label': 3}),
                ('a', 'd', {'weight':1, 'label': 1}),
                ('a', 'e', {'weight':3, 'label': 3}),
                ('b', 'c', {'weight':4, 'label': 4}),
                ('c', 'd', {'weight':5, 'label': 5}),
                ('d', 'e', {'weight':4, 'label': 4}),
                ('e', 'a', {'weight':1, 'label': 1})
            1)
        draw(G, layout='circo')
In [ ]: T = nx.minimum_spanning_tree(G)
        for e in T.edges():
            G[e[0]][e[1]]['color'] = 'blue'
        draw(G, layout='circo')
```