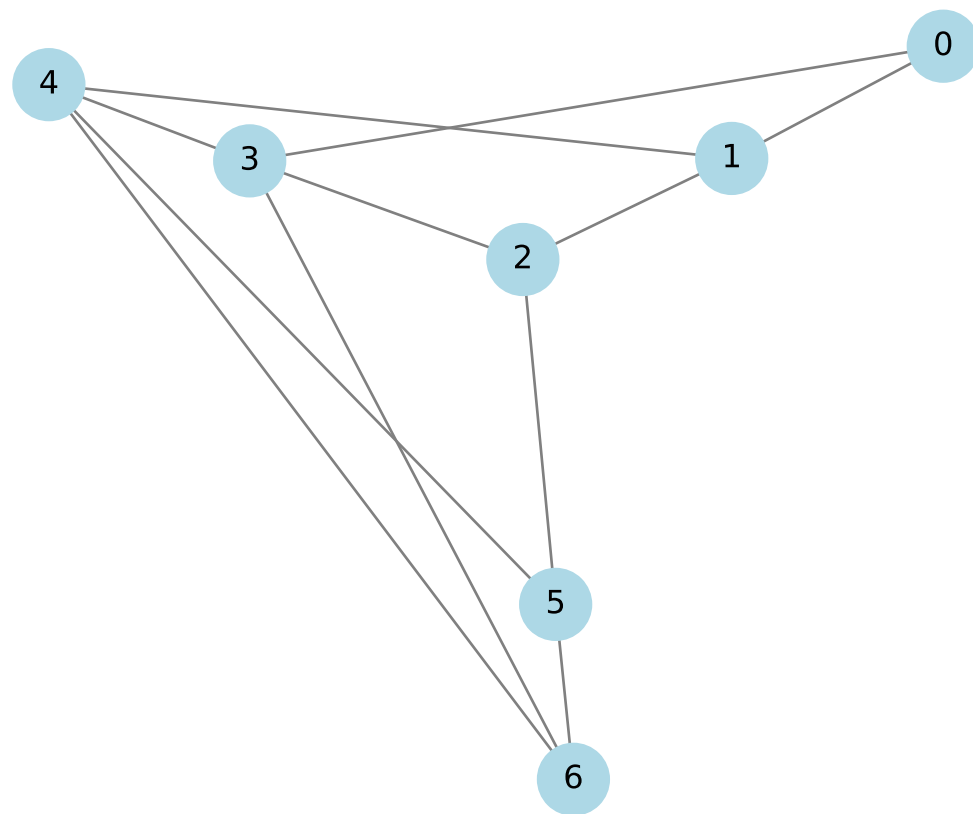


Original Graph

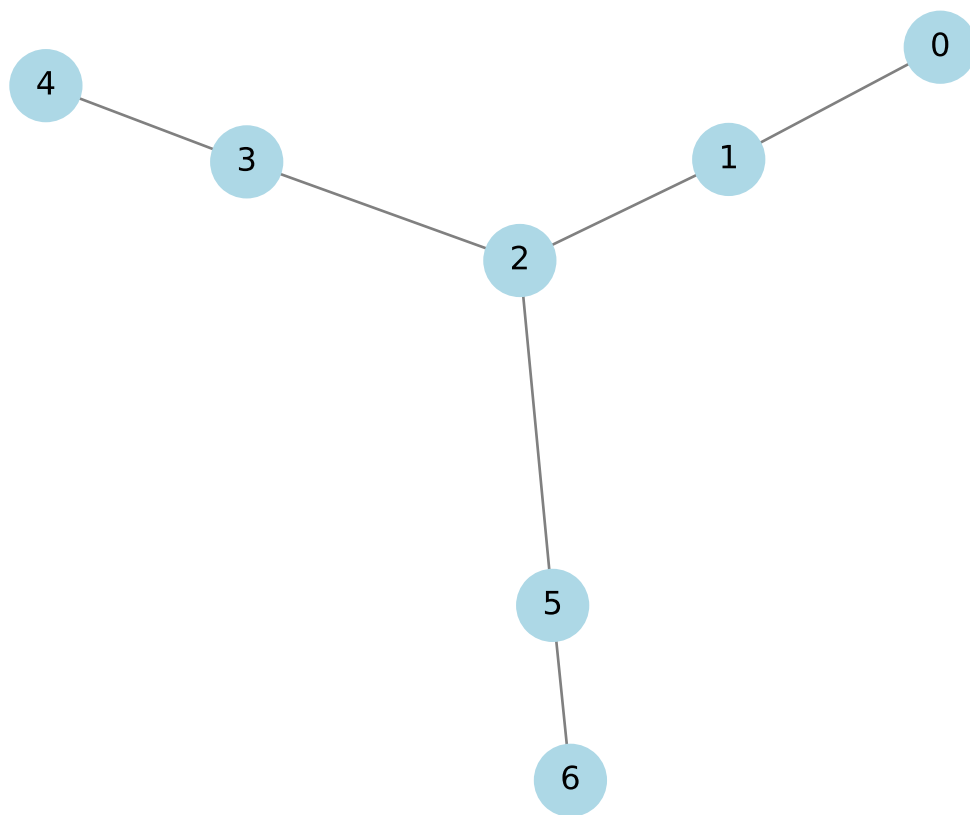


Number of nodes: 7

Edges:

$[(2, 5, 2), (0, 1, 5), (2, 3, 5), (5, 6, 6), (3, 4, 7), (1, 2, 5), (0, 4, 5), (1, 5, 5), (2, 6, 5)]$

Minimum Spanning Tree

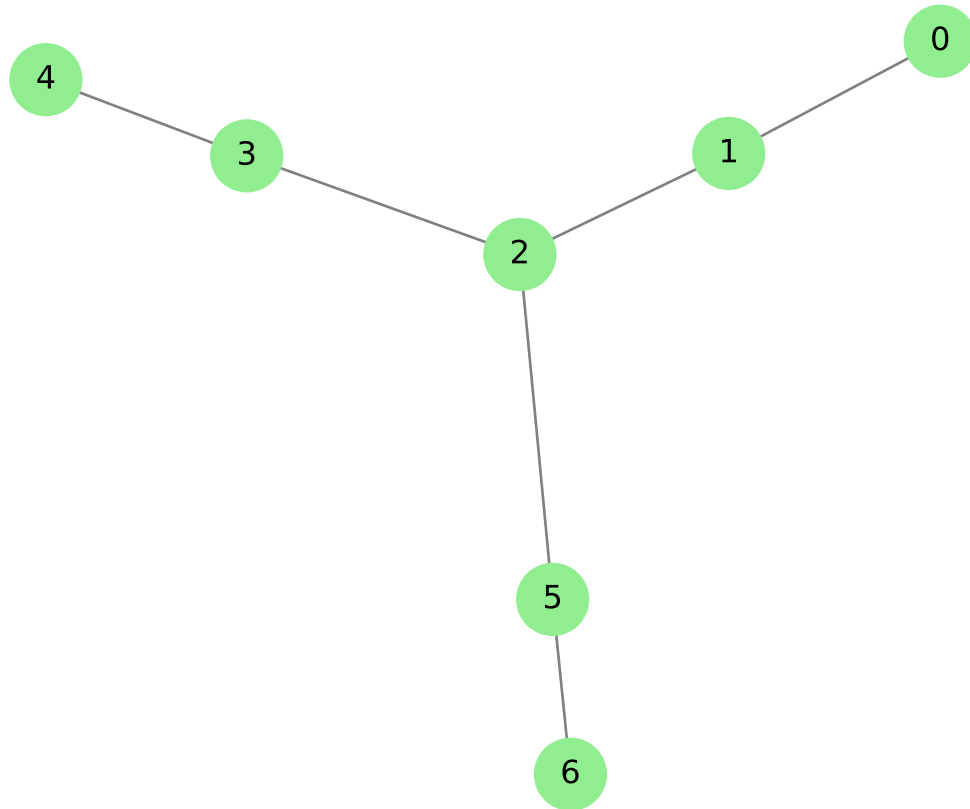


MST total weight: 33

Edges:

[(2, 5, 2), (0, 1, 5), (2, 3, 5), (5, 6, 6), (3, 4, 7), (1, 2, 5)]

Minimum Bottleneck Spanning Tree



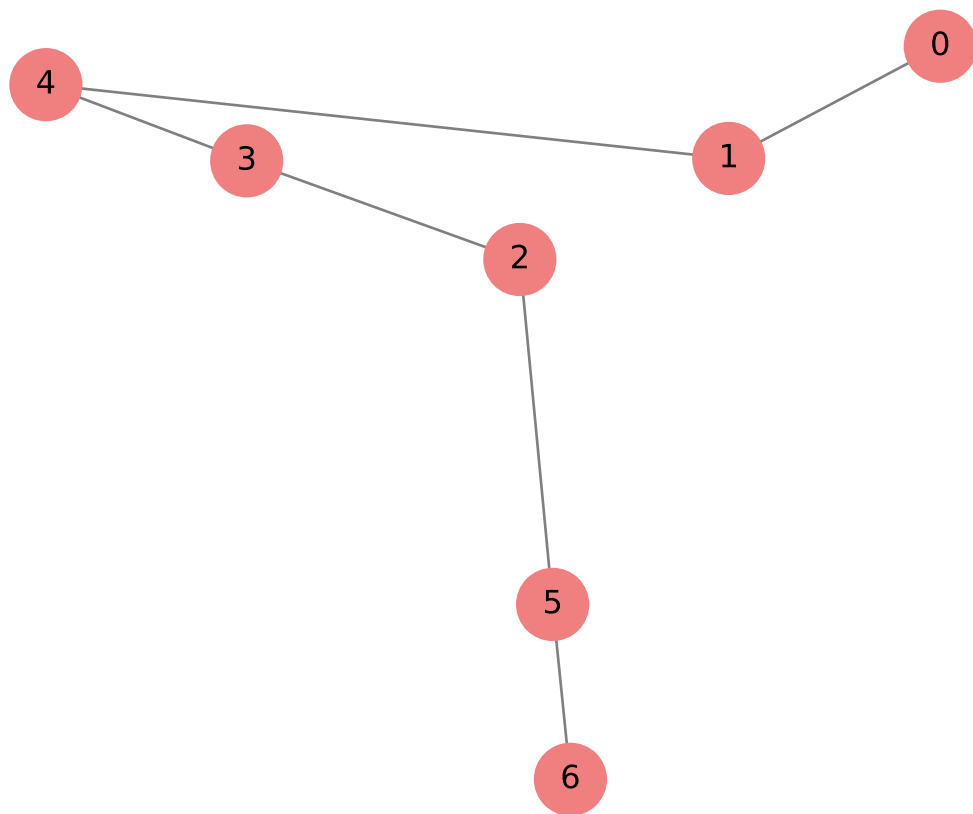
MBST count: 1

Bottleneck: 8

Edges:

$[(0, 1, 5), (1, 2, 8), (2, 3, 5), (2, 5, 2), (3, 4, 7), (5, 6, 2)]$

Minimum Median Spanning Tree 1

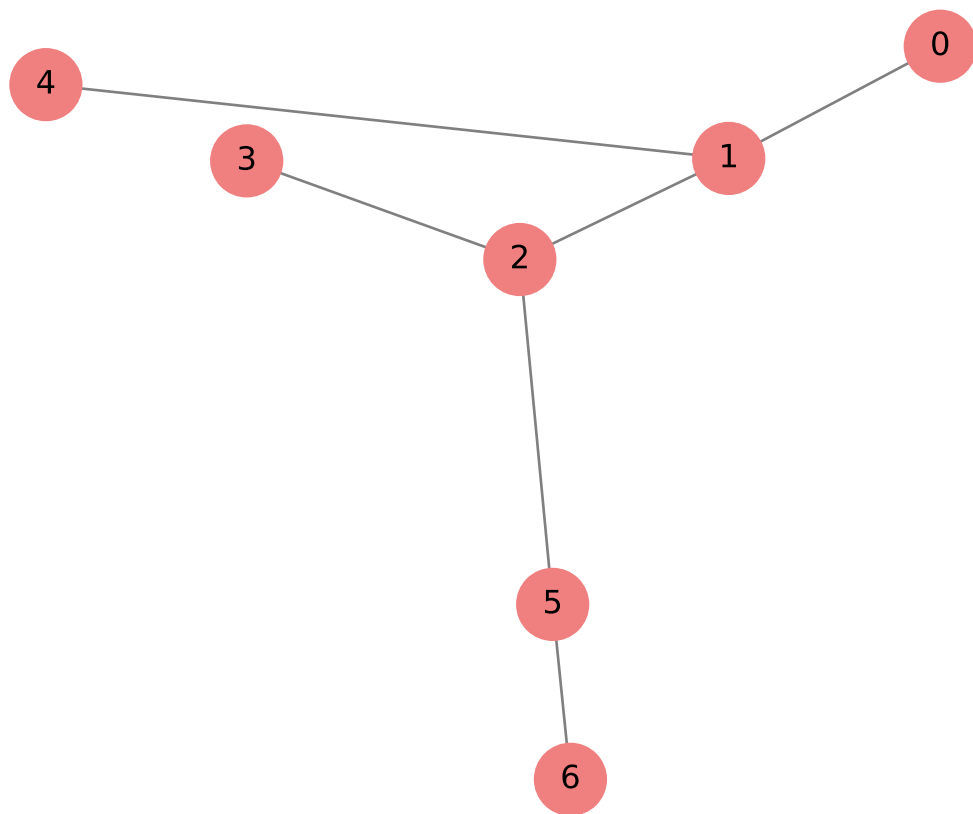


Median: 5.5

Edges:

[(0, 1, 5), (1, 4, 15), (2, 3, 5), (2, 5, 2), (3, 4, 7),

Minimum Median Spanning Tree 2

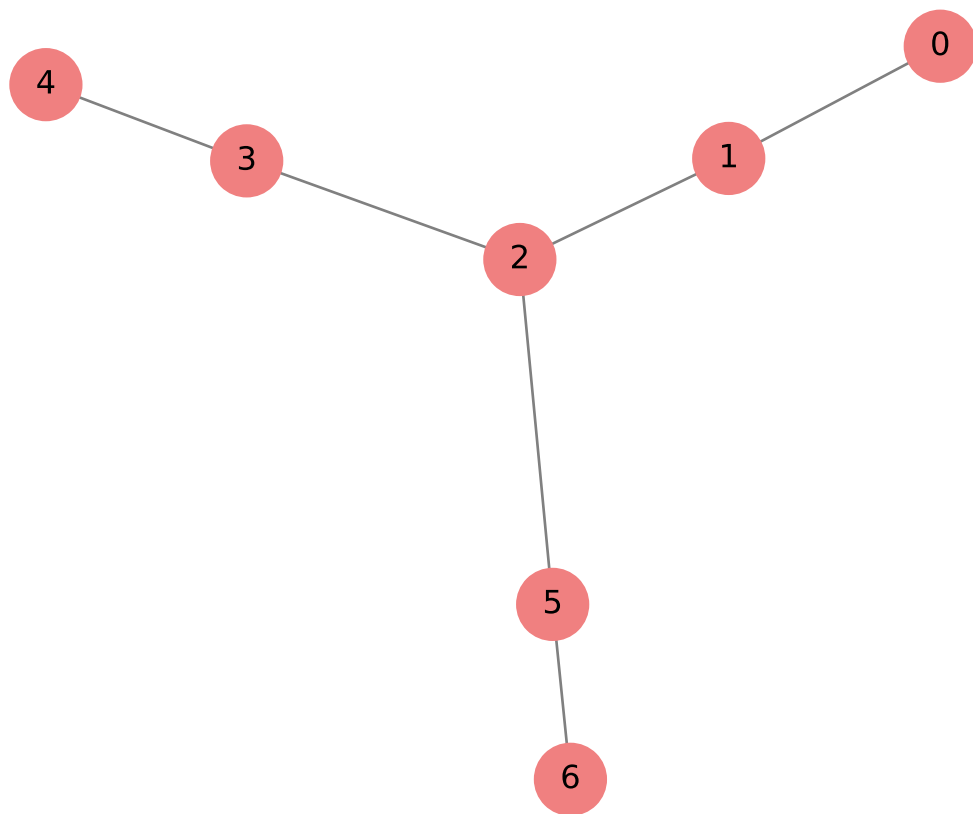


Median: 5.5

Edges:

$[(0, 1, 5), (1, 2, 8), (1, 4, 15), (2, 3, 5), (2, 5, 2),$

Minimum Median Spanning Tree 3

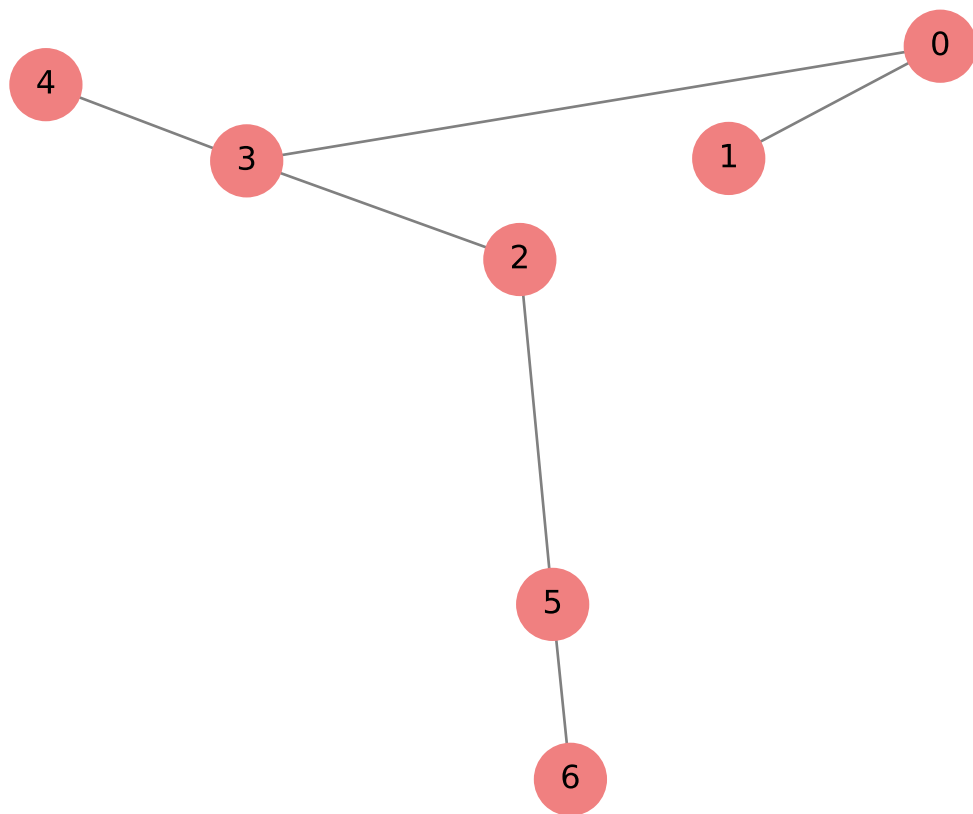


Median: 5.5

Edges:

[(0, 1, 5), (1, 2, 8), (2, 3, 5), (2, 5, 2), (3, 4, 7), (5, 6, 5)]

Minimum Median Spanning Tree 4

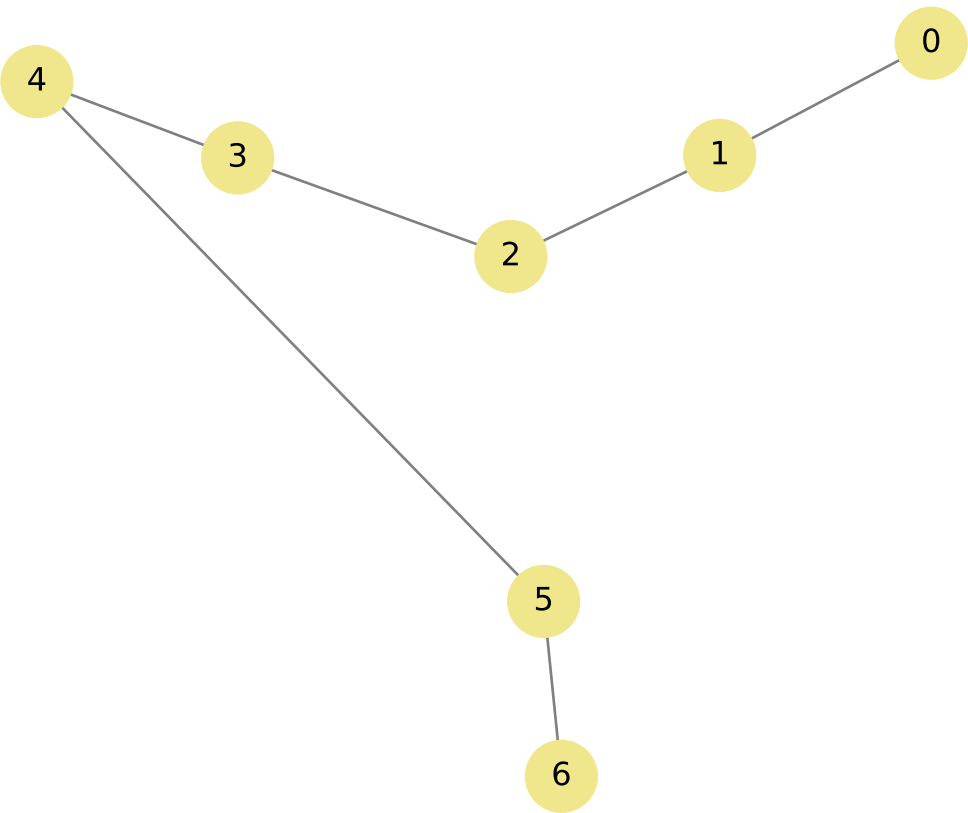


Median: 5.5

Edges:

$[(0, 1, 5), (0, 3, 12), (2, 3, 5), (2, 5, 2), (3, 4, 7),$

Minimum Variance Spanning Tree



Variance: 3.1388888888888893
Edges:
[(0, 1, 5), (1, 2, 8), (2, 3, 5), (3, 4, 7), (4, 5, 10), (5, 6, 2)]