Before Refinement
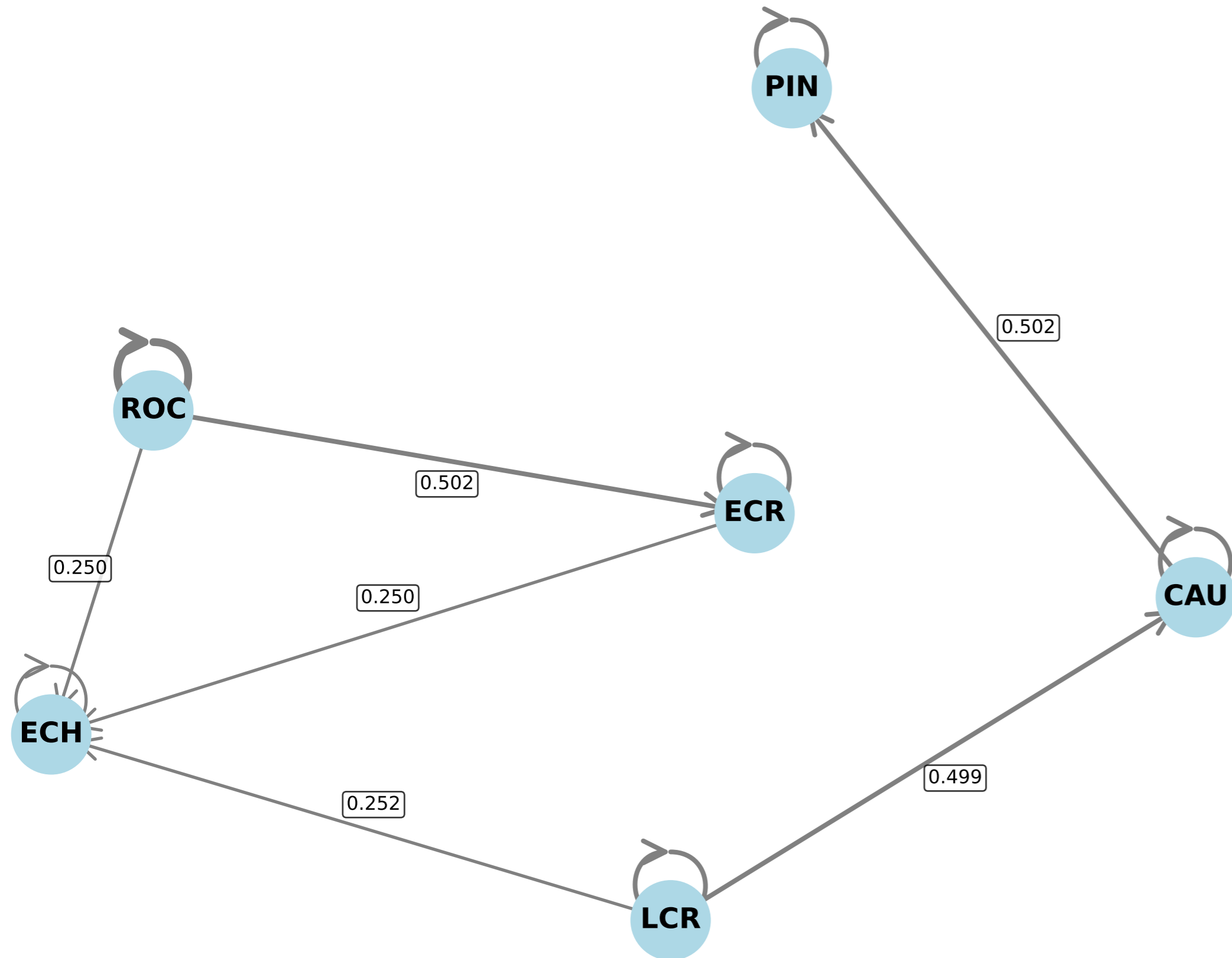Edges: 12

After Refinement
Remaining: 9, Removed: 3