

Parameter	Values
Number of nodes N	1000, 5000
Maximum node degree $maxk$	50
Average node degree $avgk$	10
Degree distribution τ_1	-2
Maximum community size $maxc$	50, 100
Minimum community size $minc$	10, 20
Community size distribution τ_2	-1
Mixing parameter μ	[0.05, 0.075] with step of 0.05
Overlapping Nodes O_n	500
Overlapping Memberships O_m	[1, 8] with step of 1