row	effectName	shortName	endow?	inter1	inter2	parm	ego?
nonSymmetricRate							
41	basic rate parameter xxxxxx	Rate				0	
42	constant xxxxxx rate (period nnnnn)	Rate				0	
43	outdegree effect on rate xxxxxx	outRate				0	
44	indegree effect on rate xxxxxx	inRate				0	
45	reciprocity effect on rate xxxxxx	recipRate				0	
46	effect 1/outdegree on rate xxxxxx	outRateInv				0	
covarNonSymmetricRate							
136	effect xxxxxx on rate	RateX		xxxxxx		0	
symmetricRate							
51	basic rate parameter xxxxxx	Rate				0	
52	constant xxxxxx rate (period nnnnn)	Rate				0	
53	degree effect on rate xxxxxx	degreeRate				0	
54	indegree effect on rate xxxxxx	indegRate				0	
55	reciprocity effect on rate xxxxxx	recipRate				0	
56	effect 1/degree on rate xxxxxx	degRateInv				0	
covarSymmetricRate							
135	effect xxxxxx on rate	RateX		xxxxxx		0	
bipartiteRate							
47	basic rate parameter xxxxxx	Rate				0	
48	constant xxxxxx rate (period nnnnn)	Rate				0	
49	outdegree effect on rate xxxxxx	outRate				0	
50	effect 1/outdegree on rate xxxxxx	outRateInv				0	
covarBipartiteRate							
137	effect xxxxxx on rate	RateX		xxxxxx		0	
behaviorRate							
34	rate xxxxxx period 1	Rate				0	
35	rate xxxxxx (period nnnnn)	Rate				0	
behaviorOneModeRate							
36	outdegree effect on rate xxxxxx	outRate		yyyyyy		0	
37	indegree effect on rate xxxxxx	inRate		yyyyyy		0	
38	reciprocated effect on rate xxxxxx	recipRate		yyyyyy		0	
behaviorBipartiteRate							
39	outdegree effect on rate xxxxxx	outRate		yyyyyy		0	

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
40	reciprocated effect on rate xxxxxx	recipRate		yyyyyy		0	
covarBehaviorRate							
87	effect yyyyyy on rate xxxxxx	RateX		yyyyyy		0	
nonSymmetricObjective							
97	outdegree (density)	density	TRUE			0	dyadic
98	reciprocity	recip	TRUE			0	dyadic
99	transitive triplets	transTrip	TRUE			0	
100	transitive mediated triplets	transMedTrip	TRUE			0	
101	3-cycles	cycle3	TRUE			0	
102	transitive ties	transTies	TRUE			0	
103	betweenness	between	FALSE			0	
104	balance	balance	TRUE			0	
105	number of actors at distance 2	nbrDist2	FALSE			0	
106	number pairs at doubly achieved distance 2	nbrDist2twice	FALSE			0	
107	dense triads	denseTriads	FALSE			5	
108	indegree - popularity	inPop	TRUE			0	
109	indegree - popularity (sqrt)	inPopSqrt	TRUE			0	
110	outdegree - popularity	outPop	TRUE			0	
111	outdegree - popularity (sqrt)	outPopSqrt	FALSE			0	
112	indegree - activity	inAct	FALSE			0	
113	indegree - activity (sqrt)	inActSqrt	FALSE			0	
114	outdegree - activity	outAct	FALSE			0	
115	outdegree - activity (sqrt)	outActSqrt	FALSE			0	
116	1/(outdegree + #)	outInv	FALSE			1	
117	1/(outdegree+#)(outdegree+1+#)	outSqInv	FALSE			1	
118	out-out degree^(1/#) assortativity	outOutAss	TRUE			2	
119	out-in degree^(1/#) assortativity	outInAss	TRUE			2	
120	in-out degree^(1/#) assortativity	inOutAss	TRUE			2	
121	in-in degree^(1/#) assortativity	inInAss	TRUE			2	
dyadObjective							
57	xxxxxx	X	TRUE	xxxxxx		0	dyadic
58	xxxxxx x reciprocity	XRecip	TRUE	xxxxxx		0	dyadic
59	WW=>X closure of xxxxxx	WWX	TRUE	xxxxxx		0	
60	WX=>X closure of xxxxxx	WXX	TRUE	xxxxxx		0	

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
61	XW=>X closure of xxxxxx	XWX	TRUE	xxxxxx		0	

covarNonSymmetricObjective

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
73	xxxxxx alter	altX	TRUE	xxxxxx		0	
74	xxxxxx squared alter	altSqX	TRUE	xxxxxx		0	
75	xxxxxx ego	egoX	TRUE	xxxxxx		0	ego
76	xxxxxx similarity	simX	TRUE	xxxxxx		0	
77	xxxxxx similarity x reciprocity	simRecipX	TRUE	xxxxxx		0	
78	same xxxxxx	sameX	TRUE	xxxxxx		0	
79	same xxxxxx x reciprocity	sameXRecip	TRUE	xxxxxx		0	
80	xxxxxx ego x xxxxxx alter	egoXaltX	TRUE	xxxxxx		0	
81	xxxxxx ego x xxxxxx alter x recipr.	egoXaltXRecip	TRUE	xxxxxx		0	
82	higher xxxxxx	higher	TRUE	xxxxxx		0	
83	xxxxxx of indirect ties	IndTies	FALSE	xxxxxx		0	

unspecifiedNetInteraction

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
138	unspecified interaction effect	unspInt	TRUE			0	

nonSymmetricNonSymmetricObjective

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
149	xxxxxx	crprod	TRUE	xxxxxx		0	
150	reciprocity with xxxxxx	crprodRecip	TRUE	xxxxxx		0	
151	mutuality with xxxxxx	crprodMutual	TRUE	xxxxxx		0	
152	indegree^(1/#) xxxxxx popularity	inPopIntn	TRUE	xxxxxx		2	
153	indegree^(1/#) xxxxxx activity	inActIntn	TRUE	xxxxxx		2	
154	outdegree^(1/#) xxxxxx popularity	outPopIntn	TRUE	xxxxxx		2	
155	outdegree^(1/#) xxxxxx activity	outActIntn	TRUE	xxxxxx		2	
156	both indegrees^(1/#) xxxxxx	both	TRUE	xxxxxx		2	
157	betweenness^(1/#) xxxxxx popularity	betweenPop	TRUE	xxxxxx		2	
158	from xxxxxx agreement	from	TRUE	xxxxxx		0	
159	from xxxxxx mutual agr.	fromMutual	TRUE	xxxxxx		0	
160	xxxxxx to agreement	to	TRUE	xxxxxx		0	
161	closure of xxxxxx	closure	TRUE	xxxxxx		0	

nonSymmetricSymmetricObjective

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
140	xxxxxx	crprod	TRUE	xxxxxx		0	
141	degree^(1/#) xxxxxx popularity	inPopIntn	TRUE	xxxxxx		2	
142	indegree^(1/#) xxxxxx activity	inActIntn	TRUE	xxxxxx		2	
143	outdegree^(1/#) xxxxxx popularity	outPopIntn	TRUE	xxxxxx		2	
144	degree^(1/#) xxxxxx activity	inActIntn	TRUE	xxxxxx		2	

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
145	both degrees^(1/#) xxxxxx	both	TRUE	xxxxxx		2	
146	from xxxxxx agreement	from	TRUE	xxxxxx		0	
147	xxxxxx to agreement	to	TRUE	xxxxxx		0	
148	closure of xxxxxx	closure	TRUE	xxxxxx		0	
nonSymmetricBipartiteObjective							
166	outdegree^(1/#) xxxxxx activity	outActIntn	TRUE	xxxxxx		2	
167	from xxxxxx agreement	from	TRUE	xxxxxx		0	
168	from xxxxxx mutual agr.	fromMutual	TRUE	xxxxxx		0	
covarNetNetObjective							
171	from xxxxxx agr. x same yyyyyy	covNetNet	TRUE	xxxxxx	yyyyyy	0	
symmetricObjective							
122	degree (density)	density	TRUE			0	ego
123	transitive triads	transTriads	TRUE			0	
124	transitive ties	transTies	TRUE			0	
125	betweenness	between	FALSE			0	
126	balance	balance	TRUE			0	
127	number of actor pairs at distance 2	nbrDist2	FALSE			0	
128	number pairs at doubly achieved distance 2	nbrDist2Twice	FALSE			0	
129	degree of alter	inPop	TRUE			0	
130	sqrt degree of alter	inPopSqrt	TRUE			0	
131	degree^(1.5)	outActSqrt	FALSE			0	
132	1/(degree + #)	outInv	FALSE			1	
133	1/(degree+#)(degree+1+#)	outSqInv	FALSE			1	
134	degree^(1/#) assortativity	outOutAss	TRUE			2	
dyadObjective							
57	xxxxxx	X	TRUE	xxxxxx		0	dyadic
58	xxxxxx x reciprocity	XRecip	TRUE	xxxxxx		0	dyadic
59	WW=>X closure of xxxxxx	WWX	TRUE	xxxxxx		0	
60	WX=>X closure of xxxxxx	WXX	TRUE	xxxxxx		0	
61	XW=>X closure of xxxxxx	XWX	TRUE	xxxxxx		0	
covarSymmetricObjective							
64	xxxxxx	altX	TRUE	xxxxxx		0	
65	xxxxxx squared	altSqX	TRUE	xxxxxx		0	
66	xxxxxx similarity	simX	TRUE	xxxxxx		0	
67	same xxxxxx	sameX	TRUE	xxxxxx		0	

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
68	xxxxxx ego x xxxxxx alter	egoXAlt	TRUE	xxxxxx		0	
69	xxxxxx of indirect ties	IndTies	TRUE	xxxxxx		0	
unspecifiedNetInteraction							
138	unspecified interaction effect	unspInt	TRUE			0	
bipartiteObjective							
88	outdegree (density)	density	TRUE			0	dyadic
89	4-cycles	4-cycles	TRUE			1	
90	indegree - popularity	inPop	TRUE			0	
91	indegree - popularity (sqrt)	inPopSqrt	TRUE			0	
92	outdegree - activity	outAct	FALSE			0	
93	outdegree - activity (sqrt)	outActSqrt	FALSE			0	
94	$1/(\text{outdegree} + \#)$	outInv	FALSE			1	
95	$1/(\text{outdegree}+\#)(\text{outdegree}+1+\#)$	outSqInv	FALSE			1	
96	out-in degree^(1/2) assortativity	outInAss	TRUE			2	
dyadObjective							
57	xxxxxx	X	TRUE	xxxxxx		0	dyadic
58	xxxxxx x reciprocity	XRecip	TRUE	xxxxxx		0	dyadic
59	WW=>X closure of xxxxxx	WWX	TRUE	xxxxxx		0	
60	WX=>X closure of xxxxxx	WXX	TRUE	xxxxxx		0	
61	XW=>X closure of xxxxxx	XWX	TRUE	xxxxxx		0	
covarBipartiteObjective							
70	xxxxxx alter	altX	TRUE	xxxxxx		0	
71	xxxxxx squared alter	altSqX	TRUE	xxxxxx		0	
72	xxxxxx ego	egoX	TRUE	xxxxxx		0	dyadic
unspecifiedNetInteraction							
138	unspecified interaction effect	unspInt	TRUE			0	
bipartiteNonSymmetricObjective							
162	outdegree^(1/#) xxxxxx activity	outActIntn	TRUE	xxxxxx		2	
163	xxxxxx to agreement	to	TRUE	xxxxxx		0	
bipartiteSymmetricObjective							
164	degree^(1/#) xxxxxx activity	outActIntn	TRUE	xxxxxx		2	
165	xxxxxx to agreement	to	TRUE	xxxxxx		0	
bipartiteBipartiteObjective							
169	outdegree^(1/#) xxxxxx activity	outActIntn	TRUE	xxxxxx		2	

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
170	xxxxxx to agreement	to	TRUE	xxxxxx		0	
covarNetNetObjective							
171	from xxxxxx agr. x same yyyyyy	covNetNet	TRUE	xxxxxx	yyyyyy	0	
behaviorObjective							
32	behavior xxxxxx linear shape	linear	TRUE			0	
33	behavior xxxxxx quadratic shape	quad	TRUE			0	
behaviorOneModeObjective							
1	behavior xxxxxx average similarity	avSim	TRUE	yyyyyy		0	
2	behavior xxxxxx total similarity	totSim	TRUE	yyyyyy		0	
3	behavior xxxxxx indegree	indeg	TRUE	yyyyyy		0	
4	behavior xxxxxx outdegree	outdeg	TRUE	yyyyyy		0	
5	behavior xxxxxx isolate	isolate	FALSE	yyyyyy		0	
6	behavior xxxxxx ave. sim. x reciprocity	avSimRecip	FALSE	yyyyyy		0	
7	behavior xxxxxx tot. sim. x reciprocity	totSimRecip	FALSE	yyyyyy		0	
8	behavior xxxxxx ave. sim. x popularity alter	avSimPopAlt	FALSE	yyyyyy		0	
9	behavior xxxxxx tot. sim. x popularity alter	totSimPopAlt	FALSE	yyyyyy		0	
10	behavior xxxxxx x popularity alter	popAlt	FALSE	yyyyyy		0	
11	behavior xxxxxx ave. sim. x rec. x pop. (alter)	avSimRecPop	FALSE	yyyyyy		0	
12	behavior xxxxxx tot. sim. x rec. x pop. (alter)	totSimRecPop	FALSE	yyyyyy		0	
13	behavior xxxxxx average alter	avAlt	TRUE	yyyyyy		0	
14	behavior xxxxxx average rec. alters	avRecAlt	FALSE	yyyyyy		0	
15	behavior xxxxxx dense triads <maybe wrong>	behDenseTriads	FALSE	yyyyyy		5	
16	behavior xxxxxx similarity in dense triads <maybe wrong>	simDenseTriads	FALSE	yyyyyy		5	
17	behavior xxxxxx reciprocated degree	recipDeg	FALSE	yyyyyy		0	
18	behavior xxxxxx ave. sim. x popularity ego	avSimPopEgo	TRUE	yyyyyy		0	
behaviorBipartiteObjective							
20	behavior xxxxxx average similarity	avSim	TRUE	yyyyyy		0	
21	behavior xxxxxx total similarity	totSim	TRUE	yyyyyy		0	
22	behavior xxxxxx outdegree	outdeg	TRUE	yyyyyy		0	
23	behavior xxxxxx isolate	isolate	TRUE	yyyyyy		0	
24	behavior xxxxxx ave. sim. x popularity alter	avSimPopAlt	TRUE	yyyyyy		0	
25	behavior xxxxxx tot. sim. x popularity alter	totSimPopAlt	TRUE	yyyyyy		0	
26	behavior xxxxxx x popularity alter	popAlt	TRUE	yyyyyy		0	
27	behavior xxxxxx average alter	avAlt	TRUE	yyyyyy		0	
28	behavior xxxxxx dense triads <maybe wrong>	behDenseTriads	TRUE	yyyyyy		0	

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
29	behavior xxxxxx similarity in dense triads <maybe wrong>	simDenseTriads	TRUE	yyyyyy		0	
30	behavior xxxxxx ave. sim. x popularity ego	avSimPopEgo	TRUE	yyyyyy		0	
covarBehaviorObjective							
62	behavior xxxxxx: effect from yyyyyy	effFrom	TRUE	yyyyyy		0	
63	behavior xxxxxx: influence interaction? x yyyyyy	inflIntX	TRUE	yyyyyy	zzzzzz	0	
behaviorOneModeObjective2							
19	behavior xxxxxx: infl. one-sided ? x xxxxxx alter	behInfl1sid	TRUE	yyyyyy		0	
behaviorBipartiteObjective2							
31	behavior xxxxxx: infl. one-sided ? x xxxxxx alter	behInfl1sid	TRUE	yyyyyy		0	
unspecifiedBehaviorInteraction							
139	behavior xxxxxx: unspecified interaction	behUnspInt	TRUE			0	