No.   Symmetric Rate	row	effectName	shortName	endow?	inter1	inter2	parm	ego?	
64         constant xxxxxx rate (period mmnm)         Rate         0           65         outdegree effect on rate xxxxxx         outRate         0           66         indegree effect on rate xxxxxx         inRate         0           67         reciprocity effect on rate xxxxxx         recipRate         0           68         effect 1/outdegree on rate xxxxxx         outRateInv         0           covar-NonSymmetricRate           Title offect xxxxxx         0           Title offect xxxxxx         0           SymmetricRate           Title offect xxxxxx         0           Title offect xxxxxx         0 <td colsp<="" td=""><td>nonS</td><td>ymmetricRate</td><td></td><td></td><td></td><td></td><td></td><td></td></td>	<td>nonS</td> <td>ymmetricRate</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	nonS	ymmetricRate						
65         outdegree effect on rate xxxxxx         outRate         0           66         indegree effect on rate xxxxxx         inRate         0           67         reciprocity effect on rate xxxxxx         recipRate         0           68         effect 1/outdegree on rate xxxxxx         outRateInv         0           covar-Viority interiority interiorit	63	basic rate parameter xxxxxx	Rate				0		
66 indegree effect on rate xxxxxx         inRate         0           67 reciprocity effect on rate xxxxxx         recipRate         0           68 effect 1/outdegree on rate xxxxxx         outRateInv         0           covar-NorsymmetricRate           171 effect xxxxxx on rate         RateX         xxxxxx         0           symmetricRate           Type of fect xxxxxx on rate         RateX         xxxxxx         0           73 basic rate parameter xxxxxx         Rate         0         0           74 constant xxxxxx rate (period mmmn)         Rate         0         0           75 degree effect on rate xxxxxx         outRateInv         0         0           covar-yumetricRate         0         0         0         0           covar-yumetricRate         0 <td>64</td> <td>constant xxxxxx rate (period nnnnnn)</td> <td>Rate</td> <td></td> <td></td> <td></td> <td>0</td> <td></td>	64	constant xxxxxx rate (period nnnnnn)	Rate				0		
67         reciprocity effect on rate xxxxxx         recipRate         0           68         effect 1/outdegree on rate xxxxxx         outRateInv         0           cov-NormetricRate           171         effect xxxxxx on rate         RateX         xxxxxx         0           symmetricRate           73         basic rate parameter xxxxxx         Rate         0           74         constant xxxxxx xare (period nmmnn)         Rate         0           75         degree effect on rate xxxxxx         outRate         0           76         effect 1/degree on rate xxxxxx         outRateInv         0           cov-riversymmetricRate           The colspan="3">The colspan=	65	outdegree effect on rate xxxxxx	outRate				0		
68 effect 1/outdegree on rate xxxxxx         outRateInv         0           covarNonSymmetricRate         8 RateX         xxxxxx         0           171 effect xxxxxx or rate         RateXxxxx         0           73 basic rate parameter xxxxxx         Rate         0           74 constant xxxxxx rate (period nnnnn)         Rate         0           75 degree effect on rate xxxxxx         outRateInv         0           76 effect 1/degree on rate xxxxxx         outRateInv         0           covarsymmetricRate         170 effect xxxxxx on rate         RateX         xxxxx         0           69 basic rate parameter xxxxxx         Rate         0           70 constant xxxxxx rate (period nnnnn)         Rate         0           71 outdegree effect on rate xxxxxx         0           covarBipartiteRate         1           172 effect xxxxxx on rate         Rate         Xxxxxx         0           covarBipartiteRate         1         2           172 effect	66	indegree effect on rate xxxxxx	inRate				0		
covarNonSymmetricRate           171 effect xxxxxx on rate         RateX         xxxxxxx         0           symmetricRate	67	reciprocity effect on rate xxxxxx	recipRate				0		
171         effect xxxxxx on rate         RateX         xxxxxxx         0           symmetricRate	68	effect 1/outdegree on rate xxxxxx	outRateInv				0		
SymmetricRate	coval	rNonSymmetricRate							
73 basic rate parameter xxxxxx         Rate         0           74 constant xxxxxx rate (period nnnnnn)         Rate         0           75 degree effect on rate xxxxxx         outRate         0           76 effect 1/degree on rate xxxxxx         outRateInv         0           covarSymmetricRate         8ateX         xxxxxx         0           bipartiteRate         8ateX         xxxxxx         0           69 basic rate parameter xxxxxx         Rate         0         0           70 constant xxxxxx rate (period nnnnn)         Rate         0         0           71 outdegree effect on rate xxxxxx         outRate         0         0           72 effect 1/outdegree on rate xxxxxx         outRate         0         0           72 effect xxxxxx on rate         RateX         xxxxxx         0           covarBipartiteRate         8ateX         xxxxxx         0           behaviorRate         8ateX         xxxxxx         0           48 rate xxxxxx period 1         Rate         0           49 rate xxxxxx (period nnnnn)         Rate         0           behaviorOneModeRate         50 outdegree effect on rate xxxxxx         out Rate         yyyyyy         0           51 indegree effect on rate xxxxxx         i	171	effect xxxxxx on rate	RateX		XXXXXX		0		
74 constant xxxxxx rate (period nnnnn)         Rate         0           75 degree effect on rate xxxxxx         outRate         0           76 effect 1/degree on rate xxxxxx         outRateInv         0           covar:SymmetricRate           170 effect xxxxxx on rate         RateX         xxxxxx         0           bignartiteRate           69 basic rate parameter xxxxxx         Rate         0           70 constant xxxxxx rate (period nnnnn)         Rate         0           71 outdegree effect on rate xxxxxx         outRate         0           72 effect 1/outdegree on rate xxxxxx         outRateInv         0           covar:BipartiteRate           Tate xxxxxx on rate         RateX         xxxxxx         0           behavior:Rate           48 rate xxxxxx period 1         Rate         0           49 rate xxxxxx (period nnnnn)         Rate         0           behavior:DneModeRate           50 outdegree effect on rate xxxxxx         outRate         yyyyyy         0           51 indegree effect on rate xxxxxx         inRate         yyyyyy         0           52 reciprocated effect on rate xxxxxx         recipRate         yyyyyy         0 <td< td=""><td>symr</td><td>netricRate</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	symr	netricRate							
75         degree effect on rate xxxxxx         outRate         0           76         effect 1/degree on rate xxxxxx         outRateInv         0           covar:SymmetricRate           170         effect xxxxxx on rate         RateX         xxxxxx         0           bipartiteRate           69         basic rate parameter xxxxxx         Rate         0         0           70         constant xxxxxx rate (period nmnnnn)         Rate         0         0         0           71         outdegree effect on rate xxxxxx         outRate         0	73	basic rate parameter xxxxxx	Rate				0		
refect 1/degree on rate xxxxxx         outRateInv         0           covarSymmetricRate           170         effect xxxxxx on rate         RateX         xxxxxxx         0           bipartiteRate           69         basic rate parameter xxxxxx         Rate         0         0           70         constant xxxxxx rate (period nnnnn)         Rate         0         0           71         outdegree effect on rate xxxxxx         outRateInv         0         0           covarBipartiteRate           172         effect 1/outdegree on rate xxxxxx         0         0           behaviorRate           48         rate xxxxxx (period nnnnn)         Rate         0         0           behaviorOneModeRate           50         outdegree effect on rate xxxxxx         outRate         yyyyyy         0           51         indegree effect on rate xxxxxx         inRate         yyyyyy         0           52         reciprocated effect on rate xxxxxx         avExposure         yyyyyy         0           53         average exposure effect on rate xxxxxx         susceptibility to av. exp. by indegree effect on rate xxxxxx         totExposure         yyyyyy         0     <	74	constant xxxxxx rate (period nnnnnn)	Rate				0		
covarSymmetricRate           170         effect xxxxxx on rate         RateX         xxxxxxx         0           bipartiteRate         69         basic rate parameter xxxxxx         Rate         0           70         constant xxxxxx rate (period nnnnnn)         Rate         0           71         outdegree effect on rate xxxxxx         outRate         0           72         effect 1/outdegree on rate xxxxxx         outRateInv         0           covarBipartiteRate           172         effect xxxxxx on rate         RateX         xxxxxx         0           behaviorRate           48         rate xxxxxx (period nnnnnn)         Rate         0           50         outdegree effect on rate xxxxxx         outRate         yyyyyy         0           50         outdegree effect on rate xxxxxx         outRate         yyyyyy         0           51         indegree effect on rate xxxxxx         inRate         yyyyyy         0           52         reciprocated effect on rate xxxxxx         recipRate         yyyyyy         0           53         average exposure effect on rate xxxxxx         susceptibility to av. exp. by indegree effect on rate xxxxxx         susceptAvIn         yyyyyy         0	75	degree effect on rate xxxxxx	outRate				0		
170         effect xxxxxx on rate         RateX         xxxxxx         0           bipartiteRate         69         basic rate parameter xxxxxx         Rate         0           70         constant xxxxxx rate (period nnnnnn)         Rate         0           71         outdegree effect on rate xxxxxx         outRate         0           72         effect 1/outdegree on rate xxxxxx         outRateInv         0           covar*BipartiteRate         The contract of the co	76	effect 1/degree on rate xxxxxx	outRateInv				0		
bipartiteRate         Rate         0           70         constant xxxxxx rate (period nmnnn)         Rate         0           71         outdegree effect on rate xxxxxx         outRate         0           72         effect 1/outdegree on rate xxxxxx         outRateInv         0           covarBipartiteRate           172         effect xxxxxx on rate         RateX         xxxxxx         0           behaviorRate           48         rate xxxxxx period 1         Rate         0           49         rate xxxxxx (period nmnnn)         Rate         0           behaviorOneModeRate         0         0           50         outdegree effect on rate xxxxxx         inRate         yyyyyy         0           51         indegree effect on rate xxxxxx         recipRate         yyyyyy         0           52         reciprocated effect on rate xxxxxx         recipRate         yyyyyy         0           53         average exposure effect on rate xxxxxx         susceptibility to av. exp. by indegree effect on rate xxxxxx         susceptAvIn         yyyyyy         0           55         total exposure effect on rate xxxxxx         totExposure         yyyyyy         0	cova	rSymmetricRate							
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70         constant xxxxxx rate (period nnnnnn)         Rate         0           71         outdegree effect on rate xxxxxx         outRate         0           72         effect 1/outdegree on rate xxxxxx         outRateInv         0           covarBipartiteRate           172         effect xxxxxx on rate         RateX         xxxxxx         0           behaviorRate           48         rate xxxxxx period 1         Rate         0           49         rate xxxxxx (period nnnnnn)         Rate         0           behaviorOneModeRate           50         outdegree effect on rate xxxxxx         outRate         yyyyyy         0           51         indegree effect on rate xxxxxx         recipRate         yyyyyy         0           52         reciprocated effect on rate xxxxxx         recipRate         yyyyyy         0           53         average exposure effect on rate xxxxxx         susceptAvIn         yyyyyy         0           54         susceptibility to av. exp. by indegree effect on rate xxxxxx         totExposure         yyyyyy         0	bipa	rtiteRate							
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	55		totExposure				0		
	56	infection by indegree effect on rate xxxxxx	infectIn				0		

125         reciprocity         recip         TRUE         0         dyad           126         transitive triplets         transTrip         TRUE         0           127         transitive mediated triplets         transMedTrip         TRUE         0           128         3-cycles         cycle3         TRUE         0           129         transitive ties         transTies         TRUE         0           130         betweenness         between         FALSE         0           131         balance         TRUE         0           132         number of actors at distance 2         nbrDist2         FALSE         0           133         number pairs at doubly achieved distance 2         nbrDist2twice         FALSE         0           134         dense triads         dense fTriads         FALSE         0           134         dense triads         indegree - popularity         inPop         TRUE         0           135         indegree - popularity         inPopSqrt         TRUE         0           136         indegree - popularity         outPop TRUE         0         dyad           138         outdegree - popularity         outPop TRUE         0         dy	row	effectName	shortName	endow?	inter1	inter2	parm	ego?
58         degree effect on rate xxxxxx         outRate         yyyyyy         0           covarBehaviorOneModeRate         59         susceptibility to av. exp. by zzzzzz effect on rate xxxxxx         susceptAvCovar         yyyyyy         zzzzzz         0           60         infection by zzzzzz effect on rate xxxxxx         infectCovar         yyyyyy         0           61         outGegree effect on rate xxxxxx         outRate         yyyyyy         0           61         outGegree effect on rate xxxxxx         recipRate         yyyyyyy         0           covarBehaviorRate	57	infection by outdegree effect on rate xxxxxx	infectOut		уууууу		0	
covarBehaviorOneModeRate           59         susceptibility to av. exp. by zzzzzz effect on rate xxxxxx         susceptAvCovar yyyyy zzzzzz         0           60         infection by zzzzzz effect on rate xxxxxx         infectCovar yyyyy zzzzzz         0           61         outdegree effect on rate xxxxxx         outRate         yyyyyy         0           62         reciprocated effect on rate xxxxxx         recipRate         yyyyyy         0           62         reciprocated effect on rate xxxxxx         recipRate         yyyyyy         0           113         effect yyyyyy on rate xxxxxx         RateX         yyyyyy         0           124         outdegree (density)         density         TRUE         0         dyad           125         reciprocity         recip         TRUE         0         dyad           126         transitive triplets         transTrip         TRUE         0         dyad           126         transitive triplets         transTrip         TRUE         0         dyad           127         transitive triplets         transTrip         TRUE         0         dyad           128         transitive triplets         transTrip         TRUE         0         0         0	beha	wiorSymmetricRate						
System   S	58	degree effect on rate xxxxxx	outRate		уууууу		0	
DehaviorBipartiteRate	cova	rBehaviorOneModeRate						
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61 outdegree effect on rate xxxxxx         outRate         yyyyyy         0           62 reciprocated effect on rate xxxxxx         recipRate         yyyyyy         0           covarBehaviorRate	60	infection by zzzzzz effect on rate xxxxxx	infectCovar		уууууу	ZZZZZZ	0	
62         reciprocated effect on rate xxxxxx         recipRate         yyyyyy         0           covarBehaviorRate         113         effect yyyyyy on rate xxxxxx         RateX         yyyyyy         0           124         outdegree (density)         density         TRUE         0         dyad           125         reciprocity         recip         TRUE         0         dyad           126         transitive triplets         transTrip         TRUE         0         0         dyad           125         reciprocity         recip         TRUE         0         0         dyad           126         transitive triplets         transMedTrip         TRUE         0           127         transitive mediated triplets         transMedTrip         TRUE         0         0           127         transitive triplets         transMedTrip         TRUE         0         0           129         transitive triplets         transMedTrip         TRUE         0         0           129         transitive triplets         transMedTrip <td>beha</td> <td>viorBipartiteRate</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	beha	viorBipartiteRate						
covarBehaviorRate           113         effect yyyyyy on rate xxxxxx         RateX         yyyyyy         0           124         outdegree (density)         density         TRUE         0         dyad           125         reciprocity         recip         TRUE         0         dyad           126         transitive triplets         transTrip         TRUE         0         cycla           126         transitive mediated triplets         transMedTrip         TRUE         0         cycla         transTrip         TRUE         0         cycla         TRUE         0         cycla         transTrip         TRUE         0         cycla         cycla         TRUE         0         cycla         cycla         transTrip         TRUE         0         cycla         cycla         transTrip         TRUE         0         cycla         cycla         transTrip         transTuE         0         cycla         transTrip         tr	61	outdegree effect on rate xxxxxx	outRate		уууууу		0	
113 effect yyyyyy on rate xxxxxx	62	reciprocated effect on rate xxxxxx	recipRate		уууууу		0	
124	cova	rBehaviorRate						
124 outdegree (density)   density TRUE   0 dyad	113	effect yyyyyy on rate xxxxxx	RateX		уууууу		0	
125         reciprocity         recip         TRUE         0         dyad           126         transitive triplets         transTrip         TRUE         0           127         transitive mediated triplets         transMedTrip         TRUE         0           128         3-cycles         cycle3         TRUE         0           129         transitive ties         transTies         TRUE         0           130         betweenness         between         FALSE         0           131         balance         TRUE         0           132         number of actors at distance 2         nbrDist2         FALSE         0           133         number pairs at doubly achieved distance 2         nbrDist2 wice         FALSE         0           134         dense triads         dense Triads         FALSE         0           134         dense triads         indegree - popularity         0           135         indegree - popularity         inPop         TRUE         0           136         indegree - popularity         outPop         TRUE         0           137         outdegree - popularity         outPop         TRUE         0         dyad <td< td=""><td>nonS</td><td>SymmetricObjective</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	nonS	SymmetricObjective						
126transitive tripletstransTripTRUE0127transitive mediated tripletstransMedTripTRUE01283-cyclescycle3TRUE0129transitive tiestransTiesTRUE0130betweennessbetweenFALSE0131balanceTRUE0132number of actors at distance 2nbrDist2FALSE0133number pairs at doubly achieved distance 2nbrDist2twiceFALSE0134dense triadsdenseTriadsFALSE5135indegree - popularityinPopTRUE0136indegree - popularity (sqrt)inPopSqrtTRUE0137outdegree - popularity (sqrt)outPopTRUE0138outdegree - popularity (sqrt)outPopSqrtFALSE0139indegree - activityoutPopSqrtFALSE0140indegree - activity (sqrt)inActFALSE0140outdegree - activity (sqrt)outActSqrtFALSE0141outdegree - activity (sqrt)outActSqrtFALSE0143outdegree - activity (sqrt)outActSqrtFALSE01441/(outdegree + #)outInvFALSE51441/(outdegree + #)outInvFALSE1145GWESP I -> K -> J (#)gwespFFFALSE25	124	outdegree (density)	density	TRUE			0	dyadic
127transitive mediated tripletstransMedTripTRUE01283-cyclescycle3TRUE0129transitive tiestransTiesTRUE0130betweennessbetweenFALSE0131balanceTRUE0132number of actors at distance 2nbrDist2FALSE0133number pairs at doubly achieved distance 2nbrDist2twiceFALSE0134dense triadsdenseTriadsFALSE5135indegree - popularityinPopTRUE0136indegree - popularity (sqrt)inPopSqrtTRUE0137outdegree - popularityoutPopTRUE0dyad138outdegree - popularity (sqrt)outPopSqrtFALSE0dyad139indegree - activityinActFALSE0ego140indegree - activity (sqrt)inActSqrtFALSE0ego141outdegree - activity (sqrt)outActSqrtFALSE0142outdegree - activity (sqrt)outActSqrtFALSE0143outdegree - activity (sqrt)outActSqrtFALSE51441/(outdegree + #)outInvFALSE1145GWESP I -> K -> J (#)gwespFFFALSE25	125	reciprocity	recip	TRUE			0	dyadic
128         3-cycles         cycle3         TRUE         0           129         transitive ties         transTies         TRUE         0           130         betweenness         between         FALSE         0           131         balance         TRUE         0           132         number of actors at distance 2         nbrDist2         FALSE         0           133         number pairs at doubly achieved distance 2         nbrDist2twice         FALSE         0           134         dense triads         denseTriads         FALSE         0           134         dense triads         denseTriads         FALSE         0           135         indegree - popularity         inPop         TRUE         0           136         indegree - popularity (sqrt)         inPopSqrt         TRUE         0           137         outdegree - popularity (sqrt)         outPopSqrt         FALSE         0         dyad           138         outdegree - popularity (sqrt)         outPopSqrt         FALSE         0         ego           140         indegree - activity (sqrt)         inActSqrt         FALSE         0         ego           141         outdegree - activity (sqrt)         outA	126	transitive triplets	transTrip	TRUE			0	
129 transitive ties         transTies         TRUE         0           130 betweenness         between         FALSE         0           131 balance         balance         TRUE         0           132 number of actors at distance 2         nbrDist2         FALSE         0           133 number pairs at doubly achieved distance 2         nbrDist2twice         FALSE         0           134 dense triads         denseTriads         FALSE         5           135 indegree - popularity         inPop         TRUE         0           136 indegree - popularity (sqrt)         inPopSqrt         TRUE         0           137 outdegree - popularity (sqrt)         outPop         TRUE         0           138 outdegree - popularity (sqrt)         outPopSqrt         FALSE         0         dyad           139 indegree - activity         inAct         FALSE         0         ego           140 indegree - activity (sqrt)         inActSqrt         FALSE         0         ego           141 outdegree - activity (sqrt)         outActSqrt         FALSE         0           142 outdegree - activity (sqrt)         outActSqrt         FALSE         5           143 outdegree-trunc(#)         outInv         FALSE         5	127	transitive mediated triplets	trans Med Trip	TRUE			0	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	128	3-cycles	cycle3	TRUE			0	
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$	131	balance	balance	TRUE			0	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	132	number of actors at distance 2	nbrDist2	FALSE			0	
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137 outdegree - popularity outPop TRUE 0 dyad 138 outdegree - popularity (sqrt) outPopSqrt FALSE 0 dyad 139 indegree - activity inAct FALSE 0 ego 140 indegree - activity (sqrt) inActSqrt FALSE 0 ego 141 outdegree - activity outAct FALSE 0 outdegree - activity (sqrt) outAct FALSE 0 outdegree - activity (sqrt) outActSqrt FALSE 0 outdegree - activity (sqrt) outActSqrt FALSE 5 143 outdegree-trunc( $\#$ ) outTrunc FALSE 5 144 1/(outdegree + $\#$ ) outInv FALSE 1 1 GWESP I -> K -> J ( $\#$ ) gwespFF FALSE 25	135	indegree - popularity	inPop	TRUE			0	
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139 indegree - activityin ActFALSE0 ego140 indegree - activity (sqrt)in Act SqrtFALSE0 ego141 outdegree - activityout ActFALSE0142 outdegree - activity (sqrt)out Act SqrtFALSE0143 outdegree-trunc(#)out TruncFALSE5144 $1/(\text{outdegree} + \#)$ out InvFALSE1145 GWESP I -> K -> J (#)gwespFFFALSE25	137	outdegree - popularity	outPop	TRUE			0	dyadic
140indegree - activity (sqrt)inActSqrtFALSE0ego141outdegree - activityoutActFALSE0142outdegree - activity (sqrt)outActSqrtFALSE0143outdegree-trunc(#)outTruncFALSE5144 $1/(\text{outdegree} + \#)$ outInvFALSE1145GWESP I -> K -> J (#)gwespFFFALSE25	138	outdegree - popularity (sqrt)	outPopSqrt	FALSE			0	dyadic
141 outdegree - activity outAct FALSE 0 142 outdegree - activity (sqrt) outActSqrt FALSE 0 143 outdegree-trunc(#) outTrunc FALSE 5 144 $1/(\text{outdegree} + \#)$ outInv FALSE 1 145 GWESP I -> K -> J (#) gwespFF FALSE 25	139	indegree - activity	inAct	FALSE			0	ego
142 outdegree - activity (sqrt) outActSqrt FALSE 0 143 outdegree-trunc(#) outTrunc FALSE 5 144 $1/(\text{outdegree} + \#)$ outInv FALSE 1 145 GWESP I -> K -> J (#) gwespFF FALSE 25	140	indegree - activity (sqrt)	inActSqrt	FALSE			0	ego
143 outdegree-trunc(#) outTrunc FALSE 5 144 $1/(\text{outdegree} + \#)$ outInv FALSE 1 145 GWESP I -> K -> J (#) gwespFF FALSE 25	141	outdegree - activity	outAct	FALSE			0	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	142	outdegree - activity (sqrt)	outActSqrt	FALSE			0	
145 GWESP I -> K -> J (#) gwespFF FALSE 25	143	outdegree-trunc(#)	outTrunc	FALSE			5	
(··· /	144	, ,	$\operatorname{outInv}$	FALSE			1	
	145	\(\text{\cdots}\)	gwespFF	FALSE			25	
146 GWESP I $\leftarrow$ K $\leftarrow$ J (#) gwespBB FALSE 25	146	GWESP I <- K <- J (#)	gwespBB	FALSE			25	

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
147	GWESP I <- K -> J (#)	gwespFB	FALSE			25	
148	GWESP I -> K <- J (#)	gwespBF	FALSE			25	
149	GWESP I $\ll$ J (#)	gwespRR	FALSE			25	
150	1/(outdegree+#)(outdegree+1+#)	${ m outSqInv}$	FALSE			1	
151	out-out degree $(1/\#)$ assortativity	${ m outOutAss}$	TRUE			2	
152	out-in degree $(1/\#)$ assortativity	$\operatorname{outInAss}$	TRUE			2	
153	in-out degree $(1/\#)$ assortativity	inOutAss	TRUE			2	
154	in-in degree $(1/\#)$ assortativity	inInAss	TRUE			2	
155	in-struct equivalence	inStructEq	FALSE			0	
dyad	Objective						
77	XXXXXX	X	TRUE	XXXXXX		0	dyadic
78	xxxxxx x reciprocity	XRecip	TRUE	XXXXXX		0	dyadic
79	WW=>X closure of xxxxxx	WWX	TRUE	XXXXXX		0	dyadic
80	WX=>X closure of xxxxxx	WXX	TRUE	XXXXXX		0	dyadic
81	XW=>X closure of xxxxxx	XWX	TRUE	XXXXXX		0	
covai	rNonSymmetricObjective						
97	xxxxxx alter	altX	TRUE	XXXXXX		0	dyadic
98	xxxxxx squared alter	altSqX	TRUE	XXXXXX		0	dyadic
99	xxxxxx ego	egoX	TRUE	XXXXXX		0	ego
100	xxxxxx similarity	sim X	TRUE	XXXXXX		0	dyadic
101	xxxxxx similarity x reciprocity	simRecipX	TRUE	XXXXXX		0	dyadic
102	same xxxxxx	sameX	TRUE	XXXXXX		0	dyadic
103	same xxxxxx x reciprocity	sameXRecip	TRUE	XXXXXX		0	dyadic
104	xxxxxx ego x xxxxxx alter	$\operatorname{egoXaltX}$	TRUE	XXXXXX		0	dyadic
105	xxxxxx ego x xxxxxx alter x recipr.	$\operatorname{egoXaltXRecip}$	TRUE	XXXXXX		0	dyadic
106	higher xxxxxx	higher	TRUE	XXXXXX		0	dyadic
107	xxxxxx of indirect ties	IndTies	FALSE	XXXXXX		0	dyadic
108	xxxxxx alter at distance $2 (\#)$	altDist2	TRUE	XXXXXX		1	dyadic
109	xxxxxx similarity at distance 2	simDist2	TRUE	XXXXXX		0	dyadic
unsp	ecifiedNetInteraction						
173	unspecified interaction effect	unspInt	TRUE			0	
nonS	ymmetricNonSymmetricObjective						
184	XXXXXX	crprod	TRUE	XXXXXX		0	dyadic
185	reciprocity with xxxxxx	$\operatorname{crprodRecip}$	TRUE	XXXXXX		0	dyadic
186	mutuality with xxxxxx	$\operatorname{crprodMutual}$	TRUE	XXXXXX		0	dyadic

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
187	indegree $(1/\#)$ xxxxxx popularity	inPopIntn	TRUE	XXXXXX		2	dyadic
188	indegree $(1/\#)$ xxxxxx activity	inActIntn	TRUE	XXXXXX		2	ego
189	outdegree $(1/\#)$ xxxxxx popularity	$\operatorname{outPopIntn}$	TRUE	XXXXXX		2	dyadic
190	outdegree $(1/\#)$ xxxxxx activity	${ m outActIntn}$	TRUE	XXXXXX		2	dyadic
191	both indegrees $(1/\#)$ xxxxxx	both	TRUE	XXXXXX		2	dyadic
192	betweenness $(1/\#)$ xxxxxx popularity	betweenPop	TRUE	XXXXXX		2	dyadic
193	from xxxxxx agreement	from	TRUE	XXXXXX		0	dyadic
194	from xxxxxx mutual agr.	fromMutual	TRUE	XXXXXX		0	dyadic
195	xxxxxx to agreement	to	TRUE	XXXXXX		0	dyadic
196	closure of xxxxxx	closure	TRUE	XXXXXX		0	dyadic
nonS	ymmetricSymmetricObjective						
175	XXXXXX	crprod	TRUE	XXXXXX		0	dyadic
176	degree $(1/\#)$ xxxxxx popularity	inPopIntn	TRUE	XXXXXX		2	dyadic
177	indegree $(1/\#)$ xxxxxx activity	inActIntn	TRUE	XXXXXX		2	ego
178	outdegree $(1/\#)$ xxxxxx popularity	$\operatorname{outPopIntn}$	TRUE	XXXXXX		2	dyadic
179	$degree^{(1/\#)}$ xxxxxx activity	inActIntn	TRUE	XXXXXX		2	ego
180	both degrees $(1/\#)$ xxxxxx	both	TRUE	XXXXXX		2	dyadic
181	from xxxxxx agreement	from	TRUE	XXXXXX		0	dyadic
182	xxxxxx to agreement	to	TRUE	XXXXXX		0	dyadic
183	closure of xxxxxx	closure	TRUE	XXXXXX		0	dyadic
nonS	ymmetricBipartiteObjective						
201	outdegree (1/#) xxxxxx activity	outActIntn	TRUE	XXXXXX		2	dyadic
202	from xxxxxx agreement	from	TRUE	XXXXXX		0	dyadic
coval	rNetNetObjective						
204	from xxxxxx agr. x same yyyyyy	covNetNet	TRUE	XXXXXX	уууууу	0	dyadic
205	yyyyyy alter at distance 2 on xxxxxx (#)	altDist2W	TRUE	XXXXXX	уууууу	1	
206	yyyyyy similarity at distance 2 on xxxxxx	$\sin Dist2W$	TRUE	XXXXXX	уууууу	0	
symr	netricObjective						
156	degree (density)	density	TRUE			0	ego
157	transitive triads	transTriads	TRUE			0	
158	transitive ties	transTies	TRUE			0	
159	betweenness	between	FALSE			0	
160	balance	balance	TRUE			0	
161	number of actor pairs at distance 2	nbrDist2	FALSE			0	
162	number pairs at doubly achieved distance 2	nbrDist2twice	FALSE			0	

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
163	degree of alter	inPop	TRUE			0	Ü
164	sqrt degree of alter	inPopSqrt	TRUE			0	
165	$degree^{(1.5)}$	outActSqrt	FALSE			0	
166	outdegree-trunc(#)	$\operatorname{outTrunc}$	FALSE			5	
167	1/(degree + #)	$\operatorname{outInv}$	FALSE			1	
168	1/(degree+#)(degree+1+#)	$\operatorname{outSqInv}$	FALSE			1	
169	$degree^{(1/\#)}$ assortativity	${ m outOutAss}$	TRUE			2	
dyad	Objective						
77	XXXXXX	X	TRUE	XXXXXX		0	dyadic
78	xxxxxx x reciprocity	XRecip	TRUE	XXXXXX		0	dyadic
79	WW=>X closure of xxxxxx	WWX	TRUE	XXXXXX		0	dyadic
80	WX=>X closure of xxxxxx	WXX	TRUE	XXXXXX		0	dyadic
81	XW=>X closure of xxxxxx	XWX	TRUE	XXXXXX		0	
covai	SymmetricObjective						
86	XXXXXX	altX	TRUE	XXXXXX		0	dyadic
87	xxxxxx squared	altSqX	TRUE	XXXXXX		0	dyadic
88	xxxxxx similarity	$\operatorname{sim} X$	TRUE	XXXXXX		0	dyadic
89	same xxxxxx	$\operatorname{sameX}$	TRUE	XXXXXX		0	dyadic
90	xxxxxx ego x xxxxxx alter	$\operatorname{egoXaltX}$	TRUE	XXXXXX		0	dyadic
91	xxxxxx of indirect ties	IndTies	FALSE	XXXXXX		0	dyadic
92	xxxxxx alter at distance $2 (\#)$	altDist2	TRUE	XXXXXX		1	dyadic
93	xxxxxx similarity at distance 2	simDist2	TRUE	XXXXXX		0	dyadic
	ecifiedNetInteraction						
173	unspecified interaction effect	unspInt	TRUE			0	
bipar	rtiteObjective						
114	outdegree (density)	density	TRUE			0	dyadic
115	4-cycles	cycle4	TRUE			1	
116	indegree - popularity	inPop	TRUE			0	
117	indegree - popularity (sqrt)	inPopSqrt	TRUE			0	
118	outdegree - activity	$\operatorname{outAct}$	FALSE			0	
119	outdegree - activity (sqrt)	outActSqrt	FALSE			0	
120	outdegree-trunc(#)	outTrunc	FALSE			5	
121	1/(outdegree + #)	outInv	FALSE			1	
122	1/(outdegree+#)(outdegree+1+#)	$\operatorname{outSqInv}$	FALSE			1	

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
123	out-in degree $(1/2)$ assortativity	$\operatorname{outInAss}$	TRUE			2	
dyad	Objective						
77	XXXXXX	X	TRUE	XXXXXX		0	dyadic
78	xxxxxx x reciprocity	XRecip	TRUE	XXXXXX		0	dyadic
79	WW=>X closure of xxxxxx	WWX	TRUE	XXXXXX		0	dyadic
80	WX=>X closure of xxxxxx	WXX	TRUE	XXXXXX		0	dyadic
81	XW=>X closure of xxxxxx	XWX	TRUE	XXXXXX		0	
cova	rBipartiteObjective						
94	xxxxxx alter	altX	TRUE	XXXXXX		0	dyadic
95	xxxxxx squared alter	$\mathrm{alt}\mathrm{SqX}$	TRUE	XXXXXX		0	dyadic
96	xxxxxx ego	$\mathrm{ego}\mathrm{X}$	TRUE	XXXXXX		0	ego
unsp	ecifiedNetInteraction						
173	unspecified interaction effect	unspInt	TRUE			0	
bipa	rtiteNonSymmetricObjective						
197	outdegree^(1/#) xxxxxx activity	${ m outActIntn}$	TRUE	XXXXXX		2	dyadic
198	xxxxxx to agreement	$ ext{to}$	TRUE	XXXXXX		0	dyadic
bipa	rtiteSymmetricObjective						
199	degree <sup>^</sup> (1/#) xxxxxx activity	${ m outActIntn}$	TRUE	XXXXXX		2	dyadic
200	xxxxxx to agreement	to	TRUE	XXXXXX		0	dyadic
bipa	rtiteBipartiteObjective						
203	outdegree^(1/#) xxxxxx activity	${ m outActIntn}$	TRUE	XXXXXX		2	dyadic
cova	rNetNetObjective						
204	from xxxxxx agr. x same yyyyyy	$\operatorname{covNetNet}$	TRUE	XXXXXX	уууууу	0	dyadic
205	yyyyyy alter at distance 2 on xxxxxx (#)	altDist2W	TRUE	XXXXXX	уууууу	1	
206	yyyyyy similarity at distance 2 on xxxxxx	${ m simDist2W}$	TRUE	XXXXXX	уууууу	0	
beha	viorObjective						
46	behavior xxxxxx linear shape	linear	TRUE			0	OK
47	behavior xxxxxx quadratic shape	quad	TRUE			0	
beha	viorOneModeObjective						
1	behavior xxxxxx average similarity	avSim	TRUE	уууууу		0	
2	behavior xxxxxx total similarity	$\mathrm{totSim}$	TRUE	уууууу		0	
3	behavior xxxxxx indegree	indeg	TRUE	уууууу		0	OK
4	behavior xxxxxx outdegree	outdeg	TRUE	уууууу		0	OK
5	behavior xxxxxx isolate	isolate	FALSE	уууууу		0	OK

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
10w	behavior xxxxxx ave. sim. x reciprocity	avSimRecip	FALSE		1110Cl Z	parm 0	egu:
7	behavior xxxxxx ave. sim. x reciprocity	totSimRecip	FALSE	уууууу		0	
8	behavior xxxxxx ave. sim. x popularity alter	avSimPopAlt	FALSE	уууууу		0	
9	behavior xxxxxx ave. sim. x popularity after	totSimPopAlt	FALSE	уууууу		0	
10	behavior xxxxxx x popularity alter	popAlt	FALSE	уууууу		0	OK
11	behavior xxxxxx ave. sim. x rec. x pop. (alter)	avSimRecPop	FALSE	уууууу		0	OIX
12	behavior xxxxxx tot. sim. x rec. x pop. (alter)	totSimRecPop	FALSE	уууууу		0	
13	behavior xxxxxx average alter	avAlt	TRUE	уууууу		0	ОК
14	behavior xxxxxx average rec. alters	avRecAlt	FALSE	уууууу		0	OK
15	behavior xxxxxx dense triads <maybe wrong=""></maybe>	behDenseTriads	FALSE	уууууу		5	OK
16	behavior xxxxxx similarity in dense triads <maybe wrong=""></maybe>	simDenseTriads	FALSE	уууууу		5	OK
17	behavior xxxxxx reciprocated degree	recipDeg	FALSE	уууууу уууууу		0	OK
18	behavior xxxxxx ave. sim. x popularity ego	avSimPopEgo	TRUE	уууууу		0	OIL
	viorSymmetricObjective	avoim opigo	TITOL				
19	behavior xxxxxx average similarity	avSim	TRUE	уууууу		0	
20	behavior xxxxxx total similarity	totSim	TRUE	уууууу		0	
21	behavior xxxxxx degree	outdeg	TRUE	уууууу		0	OK
22	behavior xxxxxx isolate	isolate	FALSE	уууууу		0	OK
23	behavior xxxxxx ave. sim. x reciprocity	avSimRecip	FALSE	уууууу		0	
24	behavior xxxxxx tot. sim. x reciprocity	totSimRecip	FALSE	уууууу		0	
25	behavior xxxxxx ave. sim. x popularity alter	avSimPopAlt	FALSE	уууууу		0	
26	behavior xxxxxx tot. sim. x popularity alter	totSimPopAlt	FALSE	уууууу		0	
27	behavior xxxxxx x popularity alter	popAlt	FALSE	уууууу		0	OK
28	behavior xxxxxx ave. sim. x rec. x pop. (alter)	avSimRecPop	FALSE	уууууу		0	
29	behavior xxxxxx tot. sim. x rec. x pop. (alter)	totSimRecPop	FALSE	уууууу		0	
30	behavior xxxxxx average alter	avAlt	TRUE	уууууу		0	OK
31	behavior xxxxxx average rec. alters	avRecAlt	FALSE	уууууу		0	OK
32	behavior xxxxxx dense triads <maybe wrong=""></maybe>	behDenseTriads	FALSE	уууууу		5	OK
33	behavior xxxxxx similarity in dense triads <maybe wrong=""></maybe>	simDenseTriads	FALSE	уууууу		5	OK
34	behavior xxxxxx ave. sim. x popularity ego	avSimPopEgo	TRUE	уууууу		0	
beha	viorBipartiteObjective						
35	behavior xxxxxx average similarity	avSim	TRUE	уууууу		0	
36	behavior xxxxxx total similarity	totSim	TRUE	уууууу		0	
37	behavior xxxxxx outdegree	outdeg	TRUE	уууууу		0	OK
38	behavior xxxxxx isolate	isolate	FALSE	уууууу		0	OK

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
39	behavior xxxxxx ave. sim. x popularity alter	avSimPopAlt	FALSE	уууууу		0	
40	behavior xxxxxx tot. sim. x popularity alter	tot Sim Pop Alt	FALSE	уууууу		0	
41	behavior xxxxxx x popularity alter	popAlt	FALSE	уууууу		0	OK
42	behavior xxxxxx average alter	avAlt	TRUE	уууууу		0	OK
43	behavior xxxxxx dense triads <maybe wrong=""></maybe>	behDenseTriads	FALSE	уууууу		0	OK
44	behavior xxxxxx similarity in dense triads <maybe wrong=""></maybe>	simDenseTriads	FALSE	уууууу		0	OK
45	behavior xxxxxx ave. sim. x popularity ego	avSimPopEgo	TRUE	уууууу		0	
covar	BehaviorObjective						
83	behavior xxxxxx: effect from yyyyyy	effFrom	TRUE	уууууу		0	OK
unspe	ecifiedBehaviorInteraction						
174	behavior xxxxxx: unspecified interaction	behUnspInt	TRUE			0	