

link costs	experiment	node	Answers	received queries	forwarded queries	degree of cooperation	received queries of additional contacts	forwarded queries received from additional contacts	query answers for queries received from additional contacts	degree of cooperation regarding contacts
1	1	1	0	9	28	8	0,6071	0	0	0
1	1	1	1	12	32	10	0,6875	0	0	0
1	1	1	2	12	43	18	0,6977	10	5	3
1	1	1	3	13	44	22	0,7955	5	5	0
1	1	1	4	8	36	13	0,5833	12	7	1
1	1	1	5	7	37	18	0,6757	13	2	3
1	1	1	6	16	52	15	0,5962	9	6	1
1	1	1	7	12	48	16	0,5833	6	3	1
1	1	1	8	12	37	6	0,4865	2	0	0
1	1	1	9	18	44	15	0,75	12	5	3
1	1	1	10	8	28	14	0,7857	6	6	0
1	1	1	11	5	23	8	0,5652	4	1	1
0	2	0	0	7	18	8	0,8333	4	2	1
0	2	1	1	3	13	4	0,5385	0	0	0
0	2	2	2	5	13	5	0,7692	0	0	0
0	2	3	3	6	14	7	0,9286	0	0	0
0	2	4	4	1	12	5	0,5	0	0	0
0	2	5	5	5	19	7	0,6316	1	1	0
0	2	6	6	3	15	10	0,8667	2	2	0
0	2	7	7	3	13	5	0,6154	3	1	0
0	2	8	8	4	13	2	0,4615	0	0	0
0	2	9	9	5	20	9	0,7	4	4	0
0	2	10	10	3	15	10	0,8667	1	0	0
0	2	11	11	1	17	3	0,2353	3	0	0
1	3	0	0	9	40	13	0,55	1	0	1
1	3	1	1	15	39	13	0,7179	2	0	1
1	3	2	2	17	35	11	0,8	2	0	2
1	3	3	3	14	30	13	0,9	5	2	1
1	3	4	4	16	39	8	0,6154	0	0	0
1	3	5	5	17	32	7	0,75	7	1	3
1	3	6	6	15	42	13	0,6667	4	1	3
1	3	7	7	19	43	13	0,7442	13	3	6
1	3	8	8	18	42	15	0,7857	0	0	0
1	3	9	9	23	61	27	0,8197	24	16	6
1	3	10	10	8	28	19	0,9643	7	5	2
1	3	11	11	16	41	17	0,8049	10	4	4
0	4	0	0	17	28	6	0,8214	9	2	3
0	4	1	1	20	37	13	0,8919	14	8	6
0	4	2	2	22	46	12	0,7391	20	4	9
0	4	3	3	20	46	19	0,8478	20	7	9
0	4	4	4	14	46	13	0,587	20	6	4
0	4	5	5	15	33	14	0,8788	17	7	6
0	4	6	6	17	42	12	0,6905	20	4	9
0	4	7	7	16	37	13	0,7838	14	5	4
0	4	8	8	10	32	8	0,5625	9	2	2
0	4	9	9	12	30	11	0,7667	10	4	4
0	4	10	10	11	38	18	0,7632	9	6	1
0	4	11	11	21	37	14	0,9459	19	7	11
1	5	0	0	4	22	11	0,6818	7	2	2
1	5	1	1	8	21	10	0,8571	2	1	0
1	5	2	2	5	16	7	0,75	0	0	0
1	5	3	3	4	19	1	0,2632	0	0	0
1	5	4	4	2	19	0	0,1053	0	0	0
1	5	5	5	4	16	11	0,9375	0	0	0
1	5	6	6	5	12	3	0,6667	0	0	0
1	5	7	7	9	27	11	0,7407	0	0	0
1	5	8	8	4	18	6	0,5556	2	2	0
1	5	9	9	6	28	10	0,5714	3	2	1
1	5	10	10	7	22	0	0,3182	0	0	0

link costs	experiment	node	Answers	received queries	forwarded queries	degree of cooperation	received queries of additional contacts	forwarded queries received from additional contacts	query answers for queries received from additional contacts	degree of cooperation regarding contacts
1	5	11	3	18	6	0,5	0	0	0	
3	6	0	6	18	6	0,6667	0	0	0	
3	6	1	11	40	14	0,625	0	0	0	
3	6	2	5	18	5	0,5556	0	0	0	
3	6	3	4	20	11	0,75	0	0	0	
3	6	4	2	16	7	0,5625	0	0	0	
3	6	5	7	28	5	0,4286	0	0	0	
3	6	6	5	24	1	0,25	0	0	0	
3	6	7	0	28	0	0	0	0	0	
3	6	8	14	45	19	0,7333	0	0	0	
3	6	9	6	22	7	0,5909	0	0	0	
3	6	10	7	24	9	0,6667	0	0	0	
3	6	11	8	33	11	0,5758	0	0	0	
1	7	0	7	25	10	0,68	4	4	0	1
1	7	1	10	30	12	0,7333	3	1	0	0,3333
1	7	2	9	24	11	0,8333	4	3	0	0,75
1	7	3	9	29	8	0,5862	0	0	0	
1	7	4	7	19	7	0,7368	3	1	1	0,6667
1	7	5	10	22	9	0,8636	4	3	1	1
1	7	6	13	33	9	0,6667	11	4	2	0,5455
1	7	7	8	31	20	0,9032	3	2	0	0,6667
1	7	8	17	34	13	0,8824	5	2	1	0,6
1	7	9	10	26	12	0,8462	4	1	3	1
1	7	10	8	20	8	0,8	0	0	0	
1	7	11	10	27	10	0,7407	0	0	0	
5	8	0	8	33	4	0,3636	0	0	0	
5	8	1	5	27	9	0,5185	0	0	0	
5	8	2	11	30	9	0,6667	0	0	0	
5	8	3	9	36	8	0,4722	0	0	0	
5	8	4	5	35	9	0,4	0	0	0	
5	8	5	6	36	6	0,3333	0	0	0	
5	8	6	10	31	3	0,4194	0	0	0	
5	8	7	7	28	5	0,4286	0	0	0	
5	8	8	9	26	15	0,9231	0	0	0	
5	8	9	2	28	9	0,3929	0	0	0	
5	8	10	5	32	12	0,5313	0	0	0	
5	8	11	4	31	10	0,4516	0	0	0	
1	9	0	9	22	7	0,7273	3	1	1	0,6667
1	9	1	8	21	3	0,5238	9	0	5	0,5556
1	9	2	5	15	0	0,3333	4	0	2	0,5
1	9	3	1	27	5	0,2222	0	0	0	
1	9	4	5	16	3	0,5	1	0	0	0
1	9	5	5	22	11	0,7273	4	3	0	0,75
1	9	6	10	24	9	0,7917	2	1	1	1
1	9	7	3	19	2	0,2632	0	0	0	
1	9	8	5	20	11	0,8	3	2	0	0,6667
1	9	9	6	25	10	0,64	1	1	0	1
1	9	10	3	20	7	0,5	2	1	0	0,5
1	9	11	5	14	4	0,6429	0	0	0	
3	10	0	1	26	0	0,0385	0	0	0	
3	10	1	7	35	12	0,5429	7	1	1	0,2857
3	10	2	7	25	13	0,8	0	0	0	
3	10	3	15	40	0	0,375	0	0	0	
3	10	4	3	18	7	0,5556	0	0	0	
3	10	5	4	17	4	0,4706	0	0	0	
3	10	6	9	30	15	0,8	0	0	0	
3	10	7	4	19	2	0,3158	0	0	0	
3	10	8	1	21	1	0,0952	0	0	0	
3	10	9	6	34	17	0,6765	4	2	2	1

link costs	experiment	node	Answers	received queries	forwarded queries	degree of cooperation	received queries of additional contacts	forwarded queries received from additional contacts	query answers for queries received from additional contacts	degree of cooperation regarding contacts
3	10	10	3	19	10	0,6842	0	0	0	
3	10	11	8	24	9	0,7083	0	0	0	
3	11	0	8	21	9	0,8095	3	1	2	1
3	11	1	11	33	15	0,7879	5	2	1	0,6
3	11	2	6	20	5	0,55	1	0	0	0
3	11	3	13	33	8	0,6364	2	0	0	0
3	11	4	6	19	11	0,8947	0	0	0	
3	11	5	9	26	11	0,7692	0	0	0	
3	11	6	0	21	0	0	0	0	0	
3	11	7	7	25	10	0,68	0	0	0	
3	11	8	9	29	7	0,5517	0	0	0	
3	11	9	14	43	25	0,907	5	3	1	0,8
3	11	10	9	21	5	0,6667	0	0	0	
3	11	11	6	22	10	0,7273	0	0	0	
5	12	0	4	23	8	0,5217	0	0	0	
5	12	1	3	23	12	0,6522	0	0	0	
5	12	2	3	24	14	0,7083	0	0	0	
5	12	3	7	21	6	0,619	0	0	0	
5	12	4	0	16	4	0,25	0	0	0	
5	12	5	5	16	6	0,6875	0	0	0	
5	12	6	10	27	9	0,7037	0	0	0	
5	12	7	2	21	3	0,2381	0	0	0	
5	12	8	0	19	0	0	0	0	0	
5	12	9	7	23	7	0,6087	0	0	0	
5	12	10	4	27	12	0,5926	0	0	0	
5	12	11	6	21	10	0,7619	0	0	0	
3	13	0	9	31	20	0,9355	3	2	1	1
3	13	1	13	45	16	0,6444	1	0	0	0
3	13	2	8	31	13	0,6774	0	0	0	
3	13	3	15	32	9	0,75	1	0	0	0
3	13	4	10	29	14	0,8276	0	0	0	
3	13	5	13	28	9	0,7857	2	0	2	1
3	13	6	10	31	22	1,0323	0	0	0	
3	13	7	13	38	24	0,9737	2	2	0	1
3	13	8	9	23	10	0,8261	0	0	0	
3	13	9	11	45	10	0,4667	1	1	0	1
3	13	10	6	19	11	0,8947	0	0	0	
3	13	11	12	32	3	0,4688	4	0	2	0,5
5	14	0	11	20	7	0,9	0	0	0	
5	14	1	10	30	5	0,5	1	1	0	1
5	14	2	4	23	8	0,5217	0	0	0	
5	14	3	3	22	8	0,5	5	3	0	0,6
5	14	4	6	25	12	0,72	0	0	0	
5	14	5	6	24	8	0,5833	0	0	0	
5	14	6	10	24	6	0,6667	0	0	0	
5	14	7	4	30	5	0,3	0	0	0	
5	14	8	7	34	14	0,6176	0	0	0	
5	14	9	3	25	7	0,4	0	0	0	
5	14	10	6	30	18	0,8	0	0	0	
5	14	11	5	31	5	0,3226	0	0	0	
0	15	0	11	29	11	0,7586	10	4	4	0,8
0	15	1	15	33	2	0,5152	7	0	1	0,1429
0	15	2	12	36	17	0,8056	9	5	2	0,7778
0	15	3	13	30	13	0,8667	0	0	0	
0	15	4	11	28	15	0,9286	5	3	2	1
0	15	5	9	39	12	0,5385	3	2	0	0,6667
0	15	6	15	34	14	0,8529	8	4	1	0,625
0	15	7	21	32	10	0,9688	4	1	3	1
0	15	8	6	25	12	0,72	5	3	2	1

link costs	experiment	node	Answers	received queries	forwarded queries	degree of cooperation	received queries of additional contacts	forwarded queries received from additional contacts	query answers for queries received from additional contacts	degree of cooperation regarding contacts
0	15	9	14	35	20	0,9714	12	8	3	0,9167
0	15	10	11	30	12	0,7667	12	2	6	0,6667
0	15	11	9	22	9	0,8182	6	1	2	0,5
3	16	0	11	29	11	0,7586	0	0	0	
3	16	1	12	34	12	0,7059	3	2	0	0,6667
3	16	2	12	32	18	0,9375	0	0	0	
3	16	3	5	33	14	0,5758	0	0	0	
3	16	4	6	25	10	0,64	1	0	0	0
3	16	5	8	29	20	0,9655	5	3	1	0,8
3	16	6	9	33	16	0,7576	0	0	0	
3	16	7	6	36	13	0,5278	0	0	0	
3	16	8	2	30	7	0,3	0	0	0	
3	16	9	9	26	7	0,6154	0	0	0	
3	16	10	16	34	15	0,9118	0	0	0	
3	16	11	3	29	8	0,3793	0	0	0	
0	17	0	32	79	48	1,0127	17	10	6	0,9412
0	17	1	28	52	19	0,9038	12	8	3	0,9167
0	17	2	32	62	27	0,9516	25	10	12	0,88
0	17	3	6	62	24	0,4839	0	0	0	
0	17	4	6	55	8	0,2545	11	1	1	0,1818
0	17	5	27	78	50	0,9872	21	14	7	1
0	17	6	19	46	25	0,9565	10	6	2	0,8
0	17	7	25	74	19	0,5946	0	0	0	
0	17	8	0	91	34	0,3736	45	10	0	0,2222
0	17	9	3	54	6	0,1667	19	2	0	0,1053
0	17	10	9	51	20	0,5686	20	8	3	0,55
0	17	11	11	54	17	0,5185	29	12	0	0,4138
3	18	0	3	22	14	0,7727	0	0	0	
3	18	1	2	23	9	0,4783	0	0	0	
3	18	2	1	26	13	0,5385	0	0	0	
3	18	3	0	29	7	0,2414	0	0	0	
3	18	4	2	27	14	0,5926	0	0	0	
3	18	5	0	24	16	0,6667	0	0	0	
3	18	6	10	28	7	0,6071	1	0	0	0
3	18	7	0	20	7	0,35	0	0	0	
3	18	8	1	31	13	0,4516	0	0	0	
3	18	9	6	26	14	0,7692	0	0	0	
3	18	10	10	21	10	0,9524	3	0	3	1
3	18	11	4	32	3	0,2188	0	0	0	
1	19	0	16	33	6	0,6667	8	1	2	0,375
1	19	1	17	36	11	0,7778	4	1	1	0,5
1	19	2	14	31	18	1,0323	5	4	1	1
1	19	3	17	32	10	0,8438	3	1	2	1
1	19	4	17	38	15	0,8421	6	3	2	0,8333
1	19	5	13	30	16	0,9667	11	6	3	0,8182
1	19	6	11	24	12	0,9583	10	8	1	0,9
1	19	7	6	14	7	0,9286	3	1	1	0,6667
1	19	8	7	37	20	0,7297	8	6	1	0,875
1	19	9	8	33	16	0,7273	5	0	3	0,6
1	19	10	9	32	14	0,7188	5	4	0	0,8
1	19	11	15	35	12	0,7714	3	0	2	0,6667
3	20	0	15	40	21	0,9	4	2	1	0,75
3	20	1	16	30	1	0,5667	0	0	0	
3	20	2	11	25	9	0,8	0	0	0	
3	20	3	10	32	14	0,75	6	0	3	0,5
3	20	4	15	30	10	0,8333	0	0	0	
3	20	5	12	37	14	0,7027	1	1	0	1
3	20	6	6	40	20	0,65	0	0	0	
3	20	7	11	35	15	0,7429	0	0	0	

link costs	experiment	node	Answers	received queries	forwarded queries	degree of cooperation	received queries of additional contacts	forwarded queries received from additional contacts	query answers for queries received from additional contacts	degree of cooperation regarding contacts
3	20	8	9	31	15	0,7742	2	1	0	0,5
3	20	9	15	32	14	0,9063	9	3	6	1
3	20	10	12	24	11	0,9583	2	2	0	1
3	20	11	3	20	12	0,75	2	1	0	0,5