The relationship between the number of objects (*n*) and the number of pairs (*m*) generated to connect all sites is:

$$m = f(n) = 0.5 * n * \ln(n)$$

n	m	fn = 0.5 * n * ln(n)	offset = (fn - m) / m
100	248	230	-0.07332796132151490
200	605	529	-0.1264861294583880
400	1243	1198	-0.036357786357786400
800	2982	2673	-0.1037119002112460
1600	5920	5902	-0.003175246588298910
3200	12992	12913	-0.006134213827764880
6400	31020	28044	-0.0959497620920427
12800	62513	60526	-0.0317931326833404
25600	131485	129924	-0.011872076662737200
51200	299726	277593	-0.07384596495606320
102400	614642	590676	-0.03899195971118800
204800	1325217	1252330	-0.055000262975739900
409600	2668912	2646617	-0.00835392567513159
819200	6026257	5577147	-0.07452557659627310