

**Inter-class inference rules under the situations of three kinds of clustering methods.**

Full trend clustering				Angle clustering				Pearson clustering			
Inter-class inference rules		Actual hit rate	Random hit rate	Inter-class inference rules		Actual hit rate	Random hit rate	Inter-class inference rules		Actual hit rate	Random hit rate
301	436	0.629	0.632	10108	1193	0.875	0.525	11768	1418	0.900	0.680
436	301	0.629	0.637	10108	1492	0.500	0.617	11768	227	0.750	0.575
301	3223	0.667	0.533	10108	1679	0.700	0.740	11768	2396	0.500	0.775
301	567	0.637	0.637	10108	1820	0.500	0.675	11768	2398	0.250	0.600
567	301	0.637	0.625	10108	1862	0.667	0.717	11768	2461	1.000	0.667
301	34	0.613	0.654	10108	2024	0.750	0.475	11768	2786	0.800	0.530
34	301	0.613	0.612	10108	231	0.719	0.653	11768	289	1.000	0.500
436	3223	0.727	0.705	10108	2669	0.667	0.650	11768	3437	0.833	0.633
436	567	0.628	0.650	10108	280	0.750	0.625	11768	3514	0.833	0.633
567	436	0.628	0.636	10108	3111	0.750	0.650	11768	4840	1.000	0.750
436	34	0.620	0.637	10108	3215	0.000	0.625	11768	4870	1.000	0.733
34	436	0.620	0.634	10108	3299	0.833	0.592	11768	4878	0.500	0.700
567	3223	0.706	0.576	10108	3414	1.000	0.750	11768	5099	1.000	0.525
34	3223	0.711	0.629	10108	359	0.682	0.655	11768	5160	0.750	0.650
567	34	0.641	0.601	10108	378	1.000	0.583	11768	5424	0.500	0.600
34	567	0.641	0.610	10108	3789	0.667	0.633	11768	590	0.917	0.650
233	1868	0.635	0.614	10108	382	0.750	0.675	11768	6302	0.500	0.425
511	1868	0.511	0.639	10108	4000	0.583	0.525	11768	806	1.000	0.550
233	1576	0.706	0.634	10108	4071	0.750	0.475	11768	8330	0.500	0.650
233	511	0.567	0.621	10108	4097	0.875	0.713	11768	91	0.833	0.533
511	233	0.567	0.658	10108	4321	0.500	0.650	1418	227	0.700	0.660
511	1576	0.539	0.611	10108	5069	0.750	0.600	1418	2396	0.300	0.610
718	1454	0.718	0.594	10108	6359	0.833	0.567	1418	2398	0.300	0.650
391	1454	0.689	0.660	10108	6399	0.667	0.583	1418	2461	0.867	0.673
718	1633	0.500	0.670	10108	663	0.833	0.517	1418	2786	0.680	0.728
391	1633	0.540	0.659	10108	6931	1.000	0.525	1418	289	0.700	0.570
718	391	0.658	0.595	10108	729	0.750	0.625	1418	3437	0.933	0.627
391	718	0.658	0.631	10108	7410	0.750	0.600	1418	3514	0.867	0.627
260	1221	0.817	0.657	10108	809	0.833	0.733	1418	4840	0.800	0.550
150	1221	0.778	0.631	10108	874	0.500	0.683	1418	4870	0.933	0.587
260	150	0.833	0.676	10108	935	0.750	0.550	1418	4878	0.400	0.630
150	260	0.833	0.659	10108	9901	0.750	0.725	1418	5099	0.800	0.720
260	1131	0.793	0.583	1193	1492	0.500	0.625	1418	5160	0.600	0.700
150	1131	0.815	0.620	1193	1679	0.950	0.665	1418	5424	0.300	0.630
353	1007	0.625	0.668	1193	1820	0.625	0.671	1418	590	0.700	0.643
722	1007	0.581	0.670	1193	1862	0.750	0.700	1418	6302	0.200	0.740
185	1007	0.634	0.607	1193	2024	0.875	0.500	1418	806	0.400	0.610
353	722	0.590	0.653	1193	231	0.828	0.634	1418	8330	0.600	0.690
722	353	0.590	0.627	1193	2669	1.000	0.575	1418	91	0.800	0.633
353	185	0.570	0.624	1193	280	0.750	0.538	227	2396	0.750	0.700
185	353	0.570	0.607	1193	3111	0.875	0.625	227	2398	0.500	0.650
722	185	0.619	0.643	1193	3215	0.625	0.713	227	2461	1.000	0.767

185	722	0.619	0.657	1193	3299	0.792	0.688	227	2786	0.800	0.710
480	1569	0.710	0.664	1193	3414	0.750	0.513	227	289	0.750	0.625
480	2016	0.727	0.620	1193	359	0.682	0.555	227	3437	1.000	0.533
480	2432	0.778	0.678	1193	378	1.000	0.642	227	3514	1.000	0.517
286	1922	0.769	0.698	1193	3789	0.667	0.708	227	4840	1.000	0.600
595	1922	0.583	0.608	1193	382	0.958	0.583	227	4870	0.833	0.750
658	1922	0.829	0.632	1193	4000	0.708	0.638	227	4878	0.250	0.500
286	595	0.821	0.618	1193	4071	0.875	0.675	227	5099	1.000	0.600
595	286	0.821	0.672	1193	4097	0.813	0.719	227	5160	0.750	0.600
286	658	0.798	0.670	1193	4321	0.625	0.600	227	5424	0.500	0.700
658	286	0.798	0.608	1193	5069	0.875	0.688	227	590	0.750	0.725
595	658	0.842	0.619	1193	6359	0.667	0.717	227	6302	0.500	0.675
658	595	0.842	0.682	1193	6399	0.917	0.625	227	806	0.250	0.450
44	173	0.621	0.667	1193	663	1.000	0.708	227	8330	0.500	0.650
173	44	0.621	0.635	1193	6931	0.750	0.575	227	91	0.833	0.667
44	414	0.719	0.686	1193	729	0.875	0.550	2396	2398	0.250	0.525
414	44	0.719	0.644	1193	7410	0.750	0.563	2396	2461	0.500	0.517
44	1586	0.721	0.593	1193	809	0.917	0.633	2396	2786	0.500	0.670
173	414	0.741	0.638	1193	874	0.667	0.717	2396	289	0.500	0.525
414	173	0.741	0.644	1193	935	0.625	0.663	2396	3437	0.500	0.700
173	1586	0.759	0.645	1193	9901	0.750	0.550	2396	3514	0.500	0.700
414	1586	0.786	0.639	1492	1679	0.400	0.613	2396	4840	0.750	0.625
1868	233	0.635	0.648	1492	1820	0.333	0.689	2396	4870	0.833	0.600
1868	1576	0.605	0.683	1492	1862	0.222	0.544	2396	4878	0.250	0.650
1576	1868	0.605	0.597	1492	2024	0.667	0.650	2396	5099	0.750	0.725
1868	511	0.511	0.635	1492	231	0.458	0.644	2396	5160	0.250	0.750
1576	233	0.706	0.633	1492	2669	0.444	0.622	2396	5424	0.500	0.600
1576	511	0.539	0.639	1492	280	0.333	0.650	2396	590	0.417	0.675
1454	1633	0.705	0.572	1492	3111	0.500	0.700	2396	6302	0.250	0.675
1633	1454	0.705	0.644	1492	3215	0.333	0.733	2396	806	0.000	0.700
1454	718	0.718	0.651	1492	3299	0.556	0.733	2396	8330	0.500	0.600
1454	391	0.689	0.639	1492	3414	0.500	0.750	2396	91	0.500	0.617
1633	718	0.500	0.591	1492	359	0.364	0.579	2398	2461	0.333	0.617
1633	391	0.540	0.633	1492	378	0.667	0.756	2398	2786	0.300	0.720
1221	260	0.817	0.577	1492	3789	0.444	0.756	2398	289	0.250	0.575
1221	150	0.778	0.596	1492	382	0.611	0.617	2398	3437	0.500	0.667
1221	1131	0.789	0.650	1492	4000	0.500	0.611	2398	3514	0.500	0.567
1131	1221	0.789	0.608	1492	4071	0.667	0.650	2398	4840	0.500	0.550
1131	260	0.793	0.629	1492	4097	0.500	0.625	2398	4870	0.500	0.533
1131	150	0.815	0.627	1492	4321	0.500	0.700	2398	4878	0.250	0.550
1007	353	0.625	0.649	1492	5069	0.500	0.700	2398	5099	0.500	0.500
1007	722	0.581	0.637	1492	6359	0.444	0.600	2398	5160	0.250	0.625
1007	185	0.634	0.605	1492	6399	0.556	0.722	2398	5424	0.250	0.775
1569	480	0.710	0.627	1492	663	0.556	0.678	2398	590	0.417	0.625
2016	480	0.727	0.641	1492	6931	0.500	0.600	2398	6302	0.000	0.775
2432	480	0.778	0.711	1492	729	0.667	0.550	2398	806	0.250	0.675
1569	2016	0.715	0.642	1492	7410	0.500	0.767	2398	8330	0.000	0.650

2016	1569	0.715	0.634	1492	809	0.222	0.533	2398	91	0.500	0.500
1569	2432	0.556	0.722	1492	874	0.444	0.622	2461	2786	0.667	0.620
2432	1569	0.556	0.667	1492	935	0.333	0.617	2461	289	0.667	0.717
2016	2432	0.750	0.700	1492	9901	0.500	0.600	2461	3437	0.667	0.600
2432	2016	0.750	0.613	1679	1820	0.667	0.643	2461	3514	0.667	0.733
1922	286	0.769	0.602	1679	1862	0.667	0.640	2461	4840	0.833	0.617
1922	595	0.583	0.608	1679	2024	0.800	0.630	2461	4870	0.778	0.622
1922	658	0.829	0.659	1679	231	0.800	0.654	2461	4878	0.500	0.583
1586	44	0.721	0.591	1679	2669	0.733	0.440	2461	5099	1.000	0.550
1586	173	0.759	0.619	1679	280	0.700	0.630	2461	5160	1.000	0.633
1586	414	0.786	0.591	1679	3111	0.900	0.620	2461	5424	0.500	0.683
44	173	0.621	0.126	1679	3215	0.500	0.400	2461	590	0.667	0.644
173	1586	0.759	0.092	1679	3299	0.867	0.647	2461	6302	0.333	0.667
173	414	0.741	0.121	1679	3414	0.800	0.620	2461	806	0.667	0.683
1586	44	0.721	0.107	1679	359	0.727	0.529	2461	8330	0.667	0.717
44	414	0.719	0.117	1679	378	0.800	0.593	2461	91	0.667	0.556
1586	414	0.786	0.123	1679	3789	0.733	0.653	2786	289	0.700	0.710
				1679	382	0.800	0.683	2786	3437	0.733	0.700
				1679	4000	0.700	0.697	2786	3514	0.667	0.707
				1679	4071	0.700	0.700	2786	4840	0.800	0.670
				1679	4097	0.750	0.610	2786	4870	0.800	0.567
				1679	4321	0.600	0.540	2786	4878	0.300	0.650
				1679	5069	0.700	0.600	2786	5099	0.900	0.600
				1679	6359	0.800	0.633	2786	5160	0.700	0.590
				1679	6399	0.800	0.673	2786	5424	0.400	0.600
				1679	663	1.000	0.620	2786	590	0.667	0.630
				1679	6931	0.800	0.570	2786	6302	0.400	0.730
				1679	729	0.800	0.640	2786	806	0.500	0.600
				1679	7410	0.700	0.660	2786	8330	0.700	0.680
				1679	809	0.867	0.607	2786	91	0.733	0.687
				1679	874	0.733	0.653	289	3437	0.833	0.683
				1679	935	0.800	0.670	289	3514	0.833	0.617
				1679	9901	0.400	0.650	289	4840	0.750	0.625
				1820	1862	0.556	0.656	289	4870	0.833	0.667
				1820	2024	0.667	0.600	289	4878	0.250	0.675
				1820	231	0.656	0.683	289	5099	1.000	0.625
				1820	2669	0.667	0.617	289	5160	0.500	0.650
				1820	280	0.417	0.567	289	5424	0.500	0.425
				1820	3111	0.667	0.717	289	590	0.667	0.675
				1820	3215	0.583	0.667	289	6302	0.250	0.750
				1820	3299	0.750	0.653	289	806	0.500	0.675
				1820	3414	0.583	0.625	289	8330	0.500	0.725
				1820	359	0.545	0.608	289	91	0.833	0.683
				1820	378	0.667	0.639	3437	3514	0.889	0.678
				1820	3789	0.500	0.644	3437	4840	0.833	0.717
				1820	382	0.667	0.664	3437	4870	0.889	0.689
				1820	4000	0.528	0.583	3437	4878	0.500	0.683

1820	4071	0.750	0.625	3437	5099	1.000	0.583
1820	4097	0.667	0.638	3437	5160	1.000	0.617
1820	4321	0.417	0.750	3437	5424	0.500	0.600
1820	5069	0.667	0.725	3437	590	0.778	0.711
1820	6359	0.722	0.600	3437	6302	0.333	0.683
1820	6399	0.611	0.578	3437	806	0.833	0.750
1820	663	0.667	0.644	3437	8330	1.000	0.617
1820	6931	0.500	0.600	3437	91	0.778	0.533
1820	729	0.750	0.617	3514	4840	1.000	0.550
1820	7410	0.667	0.600	3514	4870	0.889	0.544
1820	809	0.500	0.594	3514	4878	0.500	0.500
1820	874	0.556	0.617	3514	5099	1.000	0.600
1820	935	0.500	0.692	3514	5160	0.833	0.667
1820	9901	0.250	0.567	3514	5424	0.500	0.633
1862	2024	1.000	0.617	3514	590	0.833	0.600
1862	231	0.729	0.633	3514	6302	0.333	0.683
1862	2669	0.667	0.678	3514	806	0.333	0.633
1862	280	0.333	0.683	3514	8330	0.667	0.717
1862	3111	0.667	0.483	3514	91	0.778	0.522
1862	3215	0.333	0.550	4840	4870	0.833	0.717
1862	3299	0.778	0.600	4840	4878	0.250	0.750
1862	3414	0.500	0.617	4840	5099	0.750	0.525
1862	359	0.697	0.530	4840	5160	1.000	0.450
1862	378	0.778	0.589	4840	5424	0.250	0.500
1862	3789	0.556	0.689	4840	590	0.833	0.683
1862	382	0.833	0.606	4840	6302	0.750	0.500
1862	4000	0.778	0.611	4840	806	0.750	0.550
1862	4071	0.833	0.567	4840	8330	1.000	0.700
1862	4097	0.667	0.533	4840	91	0.667	0.717
1862	4321	0.333	0.683	4870	4878	0.333	0.583
1862	5069	0.667	0.667	4870	5099	1.000	0.733
1862	6359	0.667	0.644	4870	5160	1.000	0.650
1862	6399	0.778	0.644	4870	5424	0.333	0.550
1862	663	0.667	0.556	4870	590	0.889	0.722
1862	6931	0.500	0.767	4870	6302	0.667	0.600
1862	729	0.833	0.517	4870	806	1.000	0.683
1862	7410	0.833	0.650	4870	8330	1.000	0.533
1862	809	0.778	0.656	4870	91	0.778	0.656
1862	874	0.444	0.667	4878	5099	0.500	0.675
1862	935	0.333	0.567	4878	5160	0.500	0.450
1862	9901	0.500	0.617	4878	5424	0.000	0.675
2024	231	0.625	0.634	4878	590	0.417	0.775
2024	2669	0.500	0.600	4878	6302	0.500	0.625
2024	280	1.000	0.825	4878	806	0.250	0.450
2024	3111	0.750	0.725	4878	8330	0.500	0.550
2024	3215	0.000	0.650	4878	91	0.500	0.617
2024	3299	0.583	0.608	5099	5160	0.500	0.675

2024	3414	1.000	0.550	5099	5424	0.250	0.575
2024	359	0.682	0.691	5099	590	1.000	0.683
2024	378	1.000	0.583	5099	6302	0.500	0.700
2024	3789	0.667	0.600	5099	806	0.750	0.700
2024	382	0.583	0.608	5099	8330	1.000	0.650
2024	4000	0.417	0.625	5099	91	0.833	0.750
2024	4071	0.750	0.675	5160	5424	0.500	0.675
2024	4097	0.750	0.663	5160	590	0.667	0.717
2024	4321	0.500	0.600	5160	6302	0.000	0.675
2024	5069	0.750	0.450	5160	806	0.250	0.900
2024	6359	0.500	0.550	5160	8330	0.500	0.650
2024	6399	0.667	0.550	5160	91	0.667	0.600
2024	663	1.000	0.733	5424	590	0.417	0.717
2024	6931	0.750	0.650	5424	6302	0.500	0.625
2024	729	0.750	0.850	5424	806	0.500	0.600
2024	7410	0.500	0.575	5424	8330	0.500	0.575
2024	809	0.833	0.550	5424	91	0.333	0.583
2024	874	0.667	0.683	590	6302	0.417	0.725
2024	935	1.000	0.725	590	806	0.417	0.575
2024	9901	0.750	0.775	590	8330	0.667	0.650
231	2669	0.708	0.608	590	91	0.778	0.572
231	280	0.688	0.656	6302	806	0.250	0.675
231	3111	0.781	0.569	6302	8330	0.250	0.425
231	3215	0.438	0.666	6302	91	0.500	0.633
231	3299	0.750	0.670	806	8330	0.250	0.625
231	3414	0.688	0.731	806	91	0.833	0.567
231	359	0.693	0.652	8330	91	0.833	0.667
231	378	0.917	0.602				
231	3789	0.708	0.573				
231	382	0.792	0.592				
231	4000	0.625	0.649				
231	4071	0.781	0.525				
231	4097	0.781	0.641				
231	4321	0.625	0.663				
231	5069	0.813	0.638				
231	6359	0.708	0.546				
231	6399	0.792	0.644				
231	663	0.833	0.627				
231	6931	0.781	0.663				
231	729	0.750	0.647				
231	7410	0.781	0.625				
231	809	0.813	0.540				
231	874	0.708	0.592				
231	935	0.750	0.569				
231	9901	0.625	0.531				
2669	280	1.000	0.550				
2669	3111	0.667	0.617				

2669	3215	0.333	0.583
2669	3299	0.722	0.661
2669	3414	0.667	0.717
2669	359	0.545	0.558
2669	378	0.667	0.644
2669	3789	0.778	0.656
2669	382	0.778	0.572
2669	4000	0.556	0.611
2669	4071	0.667	0.517
2669	4097	0.667	0.483
2669	4321	0.667	0.583
2669	5069	0.833	0.600
2669	6359	0.667	0.722
2669	6399	0.667	0.567
2669	663	1.000	0.533
2669	6931	1.000	0.717
2669	729	0.833	0.717
2669	7410	0.667	0.650
2669	809	0.889	0.467
2669	874	0.778	0.789
2669	935	0.833	0.617
2669	9901	0.667	0.650
280	3111	0.500	0.675
280	3215	0.750	0.600
280	3299	0.833	0.608
280	3414	0.250	0.575
280	359	0.545	0.768
280	378	1.000	0.600
280	3789	0.500	0.633
280	382	1.000	0.683
280	4000	0.750	0.625
280	4071	1.000	0.750
280	4097	0.875	0.575
280	4321	0.500	0.575
280	5069	0.750	0.750
280	6359	0.833	0.617
280	6399	0.833	0.583
280	663	0.667	0.700
280	6931	0.750	0.650
280	729	1.000	0.600
280	7410	1.000	0.625
280	809	0.500	0.717
280	874	0.500	0.633
280	935	0.500	0.675
280	9901	0.750	0.525
3111	3215	0.500	0.675
3111	3299	0.833	0.550

3111	3414	0.500	0.575
3111	359	0.727	0.645
3111	378	0.667	0.683
3111	3789	0.667	0.650
3111	382	1.000	0.633
3111	4000	0.750	0.617
3111	4071	1.000	0.575
3111	4097	0.750	0.650
3111	4321	0.500	0.600
3111	5069	0.750	0.725
3111	6359	0.667	0.600
3111	6399	0.667	0.600
3111	663	0.500	0.767
3111	6931	0.750	0.625
3111	729	0.750	0.675
3111	7410	0.500	0.650
3111	809	0.833	0.583
3111	874	0.500	0.767
3111	935	0.250	0.800
3111	9901	0.750	0.700
3215	3299	0.000	0.542
3215	3414	0.500	0.675
3215	359	0.455	0.632
3215	378	0.333	0.683
3215	3789	0.167	0.633
3215	382	0.583	0.733
3215	4000	0.167	0.708
3215	4071	0.500	0.525
3215	4097	0.125	0.563
3215	4321	0.250	0.625
3215	5069	0.500	0.650
3215	6359	0.500	0.533
3215	6399	0.333	0.750
3215	663	0.667	0.683
3215	6931	0.000	0.600
3215	729	0.000	0.625
3215	7410	0.250	0.750
3215	809	0.167	0.583
3215	874	0.333	0.683
3215	935	0.250	0.575
3215	9901	0.250	0.725
3299	3414	0.667	0.617
3299	359	0.652	0.556
3299	378	1.000	0.661
3299	3789	0.611	0.650
3299	382	0.778	0.597
3299	4000	0.611	0.669

3299	4071	0.667	0.567
3299	4097	0.750	0.579
3299	4321	0.583	0.650
3299	5069	0.917	0.592
3299	6359	0.556	0.633
3299	6399	0.778	0.761
3299	663	0.778	0.522
3299	6931	0.750	0.600
3299	729	0.500	0.633
3299	7410	0.667	0.642
3299	809	0.778	0.672
3299	874	0.556	0.633
3299	935	0.667	0.542
3299	9901	0.833	0.550
3414	359	0.636	0.677
3414	378	0.667	0.683
3414	3789	0.833	0.633
3414	382	0.917	0.683
3414	4000	0.667	0.617
3414	4071	1.000	0.525
3414	4097	0.750	0.663
3414	4321	0.500	0.650
3414	5069	0.750	0.450
3414	6359	0.500	0.617
3414	6399	0.500	0.533
3414	663	0.500	0.617
3414	6931	0.750	0.575
3414	729	0.750	0.625
3414	7410	0.500	0.550
3414	809	0.833	0.633
3414	874	0.500	0.683
3414	935	0.250	0.500
3414	9901	0.500	0.600
359	378	0.818	0.609
359	3789	0.667	0.691
359	382	0.833	0.638
359	4000	0.606	0.624
359	4071	0.773	0.609
359	4097	0.682	0.639
359	4321	0.455	0.745
359	5069	0.818	0.650
359	6359	0.636	0.652
359	6399	0.758	0.667
359	663	0.697	0.612
359	6931	0.636	0.668
359	729	0.682	0.709
359	7410	0.591	0.586



359	809	0.636	0.630
359	874	0.606	0.685
359	935	0.591	0.682
359	9901	0.364	0.650
378	3789	1.000	0.600
378	382	0.889	0.633
378	4000	0.722	0.639
378	4071	0.833	0.733
378	4097	0.833	0.600
378	4321	0.667	0.700
378	5069	0.500	0.650
378	6359	1.000	0.533
378	6399	0.778	0.678
378	663	1.000	0.600
378	6931	1.000	0.683
378	729	1.000	0.717
378	7410	1.000	0.633
378	809	0.778	0.689
378	874	1.000	0.567
378	935	0.667	0.567
378	9901	0.500	0.533
3789	382	0.778	0.700
3789	4000	0.667	0.650
3789	4071	0.667	0.717
3789	4097	0.500	0.658
3789	4321	0.667	0.550
3789	5069	0.833	0.683
3789	6359	0.889	0.578
3789	6399	0.667	0.611
3789	663	0.889	0.622
3789	6931	0.333	0.683
3789	729	0.833	0.517
3789	7410	0.500	0.600
3789	809	0.667	0.544
3789	874	0.556	0.600
3789	935	0.667	0.750
3789	9901	0.833	0.517
382	4000	0.583	0.639
382	4071	0.750	0.683
382	4097	0.833	0.679
382	4321	0.833	0.633
382	5069	0.750	0.583
382	6359	0.667	0.672
382	6399	0.778	0.633
382	663	0.944	0.622
382	6931	1.000	0.700
382	729	0.833	0.592

382	7410	0.667	0.517
382	809	0.944	0.689
382	874	0.833	0.694
382	935	1.000	0.625
382	9901	0.750	0.717
4000	4071	0.583	0.708
4000	4097	0.667	0.667
4000	4321	0.667	0.658
4000	5069	0.583	0.592
4000	6359	0.500	0.606
4000	6399	0.611	0.628
4000	663	0.722	0.722
4000	6931	0.750	0.650
4000	729	0.667	0.692
4000	7410	0.417	0.558
4000	809	0.833	0.633
4000	874	0.667	0.617
4000	935	0.667	0.700
4000	9901	0.583	0.608
4071	4097	0.750	0.663
4071	4321	1.000	0.600
4071	5069	0.750	0.550
4071	6359	0.667	0.550
4071	6399	0.667	0.650
4071	663	0.833	0.683
4071	6931	0.750	0.550
4071	729	1.000	0.600
4071	7410	0.750	0.675
4071	809	1.000	0.667
4071	874	0.667	0.567
4071	935	1.000	0.625
4071	9901	0.750	0.475
4097	4321	0.625	0.563
4097	5069	0.875	0.725
4097	6359	0.667	0.592
4097	6399	0.750	0.600
4097	663	0.750	0.600
4097	6931	0.500	0.538
4097	729	0.500	0.625
4097	7410	0.750	0.675
4097	809	0.833	0.642
4097	874	0.583	0.658
4097	935	0.625	0.500
4097	9901	0.625	0.550
4321	5069	1.000	0.625
4321	6359	0.667	0.633
4321	6399	0.500	0.550

4321	663	0.667	0.600
4321	6931	0.750	0.550
4321	729	0.500	0.700
4321	7410	0.750	0.475
4321	809	0.667	0.567
4321	874	0.333	0.667
4321	935	0.750	0.650
4321	9901	0.500	0.400
5069	6359	1.000	0.550
5069	6399	0.833	0.517
5069	663	1.000	0.800
5069	6931	0.750	0.650
5069	729	1.000	0.575
5069	7410	0.750	0.725
5069	809	0.833	0.700
5069	874	0.667	0.667
5069	935	1.000	0.675
5069	9901	0.500	0.675
6359	6399	0.778	0.778
6359	663	0.778	0.678
6359	6931	0.833	0.600
6359	729	0.500	0.550
6359	7410	0.500	0.467
6359	809	0.778	0.733
6359	874	0.667	0.556
6359	935	0.667	0.550
6359	9901	0.833	0.750
6399	663	0.778	0.689
6399	6931	0.833	0.600
6399	729	0.833	0.617
6399	7410	0.667	0.783
6399	809	0.667	0.656
6399	874	0.667	0.800
6399	935	0.667	0.700
6399	9901	0.500	0.717
663	6931	0.833	0.533
663	729	0.667	0.700
663	7410	0.667	0.650
663	809	1.000	0.689
663	874	0.778	0.589
663	935	0.667	0.533
663	9901	0.833	0.500
6931	729	0.750	0.650
6931	7410	0.750	0.550
6931	809	0.667	0.650
6931	874	0.500	0.650
6931	935	0.500	0.575

6931	9901	1.000	0.675
729	7410	0.750	0.500
729	809	0.667	0.700
729	874	0.667	0.650
729	935	0.750	0.500
729	9901	1.000	0.700
7410	809	0.667	0.567
7410	874	0.833	0.483
7410	935	0.750	0.575
7410	9901	0.750	0.725
809	874	0.444	0.711
809	935	0.667	0.717
809	9901	0.500	0.700
874	935	0.833	0.600
874	9901	0.500	0.600
935	9901	0.250	0.675

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