Table 1

tr-simpleloop	Hit Rate	Hit Count	Miss Count	Overall Eviction Count	Clean Eviction Count	Dirty Eviction Count
RAND						
50	75.5612	8348	2700	2500	14	2486
100	75.4164	8332	2716	2566	21	2545
150	75.1086	8298	2750	2650	51	2599
200	72.8639	8050	2998	2948	242	2706
FIFO						
50	73.0630	8072	2976	2926	209	2717
100	75.0905	8296	2752	2652	44	2608
150	75.4526	8336	2712	2562	16	2546
200	74.8475	8344	2804	2504	12	2492
LRU						
50	74.7737	8261	2787	2737	98	2639
100	75.7513	8369	2679	2579	0	2579
150	75.7603	8370	2678	2528	0	2528
200	75.7603	8370	2678	2478	0	2478
CLOCK						
50	74.6651	8249	2799	2749	107	2642
100	75.7241	8366	2682	2582	2	2580
150	75.7513	8369	2679	2529	0	2529
200	75.7603	8370	2678	2478	0	2478
OPT						
50	75.8418	8379	2669	2619	26	2593
100	76.1586	8414	2634	2534	0	2534
150	76.1586	8414	2634	2484	0	2484
200	76.1586	8414	2634	2434	0	2434
					0	
					0	
tr-blocked	Hit Rate	Hit Count	Miss Count	Overall Eviction Count	Clean Eviction Count	Dirty Eviction Count
RAND						
50	99.6764	2517355	8173	8123	5582	2541
100	99.7918	2520270	5258	5158	3439	1719
150	99.8263	2521142	4386	4236	2780	1456
200	99.8472	2521669	3859	3649	2314	1335
				0		
FIFO				0		
50	99.7437	2519055	6473	6423	4168	2255
100	99.8276	2521174	4354	4254	2776	1478
150	99.8314	2521269	4259	4109	2686	1423
200	99.8738	2522341	3187	2987	1891	1096
				0		
LRU				0		
50	99.7933	2520308	5220	5170	2810	2360
100	99.8485	2521702	3826	3726	2646	1080

		Hit Rate	Hit Count	Miss Count	Overall Eviction Count	Clean Eviction Count	Dirty Eviction Count
	150	99.8487	2521708	3820	3670	2611	1059
	200	99.8537	2521832	3696	3496	2437	1059
					0		
CLOCK					0		
	50	99.7701	2519721	5807	5757	3343	2414
	100	99.8331	2521312	4216	4116	2655	1461
	150	99.8486	2521704	3824	3674	2614	1060
	200	99.8717	2522289	3239	3039	1977	1062
OPT							
	50	99.8520	2521789	3739	3689	2609	1080
	100	99.8800	2522498	3030	2930	1859	1071
	150	99.8997	2522995	2533	2383	1315	1068
	200	99.9096	2523245	2283	2083	1020	1063
tr-matmul		Hit Rate	Hit Count	Miss Count	Overall Eviction Count	Clean Eviction Count	Dirty Eviction Count
RAND							
	50	66.4762	1973438	995202	995152	955799	39353
	100	89.0894	2644744	323896	323796	316333	7463
	150	96.7378	2871796	96844	96694	94304	2390
	200	98.0981	2912179	56461	2970241	1601	2968640
FIFO							
	50	62.0271	1841362	1127278	1127228	1083237	43991
	100	63.5002	1885091	1083549	1083449	1061224	22225
	150	98.8410	2934233	34407	34257	32945	1312
	200	98.8586	2934755	33885	33685	32434	1251
LRU							
	50	64.9257	1927410	1041230	1041180	1040080	1100
	100	66.0974	1962193	1006447	1006347	1005270	1077
	150	98.8924	2935759	32881	32731	31655	1076
	200	98.8928	2935771	32869	32669	31593	1076
CLOCK							
	50	64.9254	1927401	1041239	1041189	1040086	1103
	100	66.2544	1966854	1001786	1001686	1000608	1078
	150	98.8335	2934011	34629	34479	33401	1078
	200	98.8924	2935758	32881	32682	31606	1076
OPT							
	50	80.2113	2381186	587454	587404	586324	1080
	100	96.8743	2875848	92792	92692	91614	1078
	150	99.1037	2942031	26609	26459	25381	1078
	200	99.3513	2949381	19259	19059	17981	1078
						0	
tr-min		Hit Rate	Hit Count	Miss Count	Overall Eviction Count	Clean Eviction Count	Dirty Eviction Count
RAND							

	50	95.1374	7200	368	318	161	157
	100	97.9255	7411	157	57	4	53
	150	98.2294	7434	134	0	0	0
	200	98.2294	7434	134	0	0	0
FIFO							
	50	95.3356	7215	353	303	133	170
	100	97.8462	7405	163	63	0	63
	150	98.2294	7434	134	0	0	0
	200	98.2294	7434	134	0	0	0
LRU							
	50	96.6305	7313	255	205	72	133
	100	98.1897	7431	137	37	0	37
	150	98.2294	7434	134	0	0	0
	200	98.2294	7434	134	0	0	0
CLOCK							
	50	96.4720	7301	267	217	81	136
	100	98.1237	7426	142	42	0	42
	150	98.2294	7434	134	0	0	0
	200	98.2294	7434	134	0	0	0
OPT							
	50	97.7801	7400	168	118	25	93
	100	98.2294	7434	134	0	0	0
	150	98.2294	7434	134	0	0	0
	200	98.2294	7434	134	0	0	0

Comparison Paragraph.
From the above results, we can see that opt, as expected, is the best algorithm. It has the highest hit rate across the board except on tr-blocked and tr-min(all of the algorithms seem to perform really well on tr-blocked and tr-min).
OPT seems to also have the lowest clean evictions across the board which also further proves it's the best algorithm.
According to the hit rates, FIFO and RAND are the worst algorithms, RAND actually performs slightly better in some cases.
Both RAND AND FIFO also exhibit Belady's anomaly(i.e as the memory size goes up, the hit rates go down.
A final ranking of the algorithms from best to worst is: OPT, LRU, CLOCK, RAND, FIFO.

Paragraph on LRU
For all of the trace files, as memory size increases, the hit rate also increases for LRU, the clean evictions count decreases.(in fact, the overall evictions count decreases as memory size increases).

				4				