

Benchmark	Dynamic	CHA			VTA			PTA			TFA		
		<i>TP</i>	<i>FN</i>	<i>Recall</i>	<i>TP</i>	<i>FN</i>	<i>Recall</i>	<i>TP</i>	<i>FN</i>	<i>Recall</i>	<i>TP</i>	<i>FN</i>	<i>Recall</i>
check	149	149	0	1.000	113	36	0.758	114	35	0.765	147	2	0.987
compiler	487	486	1	0.998	290	197	0.595	300	187	0.616	465	22	0.955
compress	351	351	0	1.000	240	111	0.684	313	38	0.892	342	9	0.974
crypto	449	447	2	0.996	272	177	0.606	349	100	0.777	410	39	0.913
derby	583	583	0	1.000	345	238	0.592	433	150	0.743	573	10	0.983
helloworld	21	21	0	1.000	19	2	0.905	20	1	0.952	21	0	1.000
mpegaudio	254	254	0	1.000	206	48	0.811	232	22	0.913	246	8	0.969
scimark	377	377	0	1.000	276	101	0.732	349	28	0.926	367	10	0.973
serial	451	451	0	1.000	291	160	0.645	319	132	0.707	415	36	0.920
startup	1344	1337	7	0.995	1022	322	0.760	1121	223	0.834	1123	221	0.836
sunflow	225	225	0	1.000	193	32	0.858	200	25	0.889	213	12	0.947
xml	513	513	0	1.000	308	205	0.600	407	106	0.793	493	20	0.961

¹ **Dynamic** denotes the number of dynamic records.

² *TP*, *FN* denote true positive, false negative of different algorithms, respectively.

Benchmark	Dynamic	CHA			VTA			PTA			TFA		
		<i>TP</i>	<i>FN</i>	<i>Recall</i>	<i>TP</i>	<i>FN</i>	<i>Recall</i>	<i>TP</i>	<i>FN</i>	<i>Recall</i>	<i>TP</i>	<i>FN</i>	<i>Recall</i>
check	149	149	0	1.000	113	36	0.758	114	35	0.765	91	58	0.611
compiler	487	486	1	0.998	290	197	0.595	300	187	0.616	364	123	0.747
compress	351	351	0	1.000	240	111	0.684	313	38	0.892	305	46	0.869
crypto	449	447	2	0.996	272	177	0.606	349	100	0.777	298	151	0.664
derby	583	583	0	1.000	345	238	0.592	433	150	0.743	437	146	0.750
helloworld	21	21	0	1.000	19	2	0.905	20	1	0.952	16	5	0.762
mpegaudio	254	254	0	1.000	206	48	0.811	232	22	0.913	213	41	0.839
scimark	377	377	0	1.000	276	101	0.732	349	28	0.926	332	45	0.881
serial	451	451	0	1.000	291	160	0.645	319	132	0.707	348	103	0.772
startup	1344	1337	7	0.995	1022	322	0.760	1121	223	0.834	817	527	0.608
sunflow	225	225	0	1.000	193	32	0.858	200	25	0.889	191	34	0.849
xml	513	513	0	1.000	308	205	0.600	407	106	0.793	408	105	0.795

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Benchmark	Dynamic	CHA			VTA			PTA			TFA		
		<i>TP</i>	<i>FP</i>	<i>Pre</i>	<i>TP</i>	<i>FP</i>	<i>Pre</i>	<i>TP</i>	<i>FP</i>	<i>Pre</i>	<i>TP</i>	<i>FP</i>	<i>Pre</i>
check	149	149	77	0.659	113	3	0.974	114	2	0.983	147	28	0.840
compiler	487	486	538	0.475	290	7	0.976	300	0	1.000	465	96	0.829
compress	351	351	95	0.787	240	7	0.972	313	0	1.000	342	33	0.912
crypto	449	447	146	0.754	272	7	0.975	349	0	1.000	410	91	0.818
derby	583	583	229	0.718	345	7	0.980	433	0	1.000	573	138	0.806
helloworld	21	21	13	0.618	19	1	0.950	20	0	1.000	21	4	0.840
mpegaudio	254	254	73	0.777	206	7	0.967	232	0	1.000	246	31	0.888
scimark	377	377	126	0.750	276	7	0.975	349	0	1.000	367	29	0.927
serial	451	451	128245	0.004	291	7	0.977	319	21793	0.014	415	52	0.889
startup	1344	1337	6570	0.169	1022	251	0.803	1121	1784	0.386	1123	331	0.772
sunflow	225	225	71	0.760	193	7	0.965	200	0	1.000	213	24	0.899
xml	513	513	293	0.636	308	7	0.978	407	0	1.000	493	84	0.854

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² *TP*, *FP* and *Pre* denote true positive, false negative and presicion of different algorithms, respectively.

Benchmark	Dynamic	CHA			VTA			PTA			TFA		
		<i>TP</i>	<i>FP</i>	<i>Pre</i>	<i>TP</i>	<i>FP</i>	<i>Pre</i>	<i>TP</i>	<i>FP</i>	<i>Pre</i>	<i>TP</i>	<i>FP</i>	<i>Pre</i>
check	149	149	77	0.659	113	3	0.974	114	2	0.983	91	2	0.978
compiler	487	486	538	0.475	290	7	0.976	300	0	1.000	364	2	0.995
compress	351	351	95	0.787	240	7	0.972	313	0	1.000	305	0	1.000
crypto	449	447	146	0.754	272	7	0.975	349	0	1.000	298	0	1.000
derby	583	583	229	0.718	345	7	0.980	433	0	1.000	437	2	0.995
helloworld	21	21	13	0.618	19	1	0.950	20	0	1.000	16	0	1.000
mpegaudio	254	254	73	0.777	206	7	0.967	232	0	1.000	213	0	1.000
scimark	377	377	126	0.750	276	7	0.975	349	0	1.000	332	0	1.000
serial	451	451	128245	0.004	291	7	0.977	319	21793	0.014	348	3	0.991
startup	1344	1337	6570	0.169	1022	251	0.803	1121	1784	0.386	817	55	0.937
sunflow	225	225	71	0.760	193	7	0.965	200	0	1.000	191	3	0.985
xml	513	513	293	0.636	308	7	0.978	407	0	1.000	408	17	0.960

¹ **Dynamic** denotes the number of dynamic records.

² *TP*, *FP* and *Pre* denote true positive, false negative and presicion of different algorithms, respectively.