| Programs | b | LocFaults | | | | | BugAssist | |
| | | P | L | | | | P | L |
			$= 0$	≤ 1	≤ 2	≤ 3		
BubbleSortV0	4	1.268	0.561	0.553	0.508	0.948	0.34	55.27
BubbleSortV1	5	0.781	0.597	0.627	0.762	1.331	0.22	125.40
BubbleSortV2	6	0.764	1.461	1.496	1.75	4.118	0.41	277.14
BubbleSortV3	7	0.774	0.813	0.852	1.468	12.67	0.53	612.79
BubbleSortV4	8	0.838	4.787	4.911	6.01	116.347	1.17	1074.67
BubbleSortV5	9	0.837	14.234	14.228	16.753	492.178	1.24	1665.62
BubbleSortV6	10	0.866	27.389	27.608	33.573	2078.445	1.53	2754.68
BubbleSortV7	11	0.876	56.008	62.198	69.591	4916.434	3.94	7662.90
BubbleSortV8	12	0.95	126.439	126.233	157.238	/	/	/
BubbleSortV9	13	0.917	235.282	244.805	282.796	/	/	/
BubbleSortV10	14	0.91	363.627	360.651	500.626	/	/	/
BubbleSortV11	15	0.969	437.994	438.549	715.594	/	/	/
BubbleSortV12	16	0.976	591.28	621.072	971.357	/	/	/
BubbleSortV13	17	1.019	737.541	739.541	1726.373	/	/	/
BubbleSortV14	18	1.038	954.475	1023.731	2197.53	/	/	/
BubbleSortV15	19	1.078	1230.099	1305.219	3477.862	/	/	/
BubbleSortV16	20	3.124	3647.636	4495.171	/	/	/	/
BubbleSortV17	21	2.458	4698.388	4316.524	/	/	/	/
BubbleSortV18	22	2.667	6580.013	6669.919	/	/	/	/

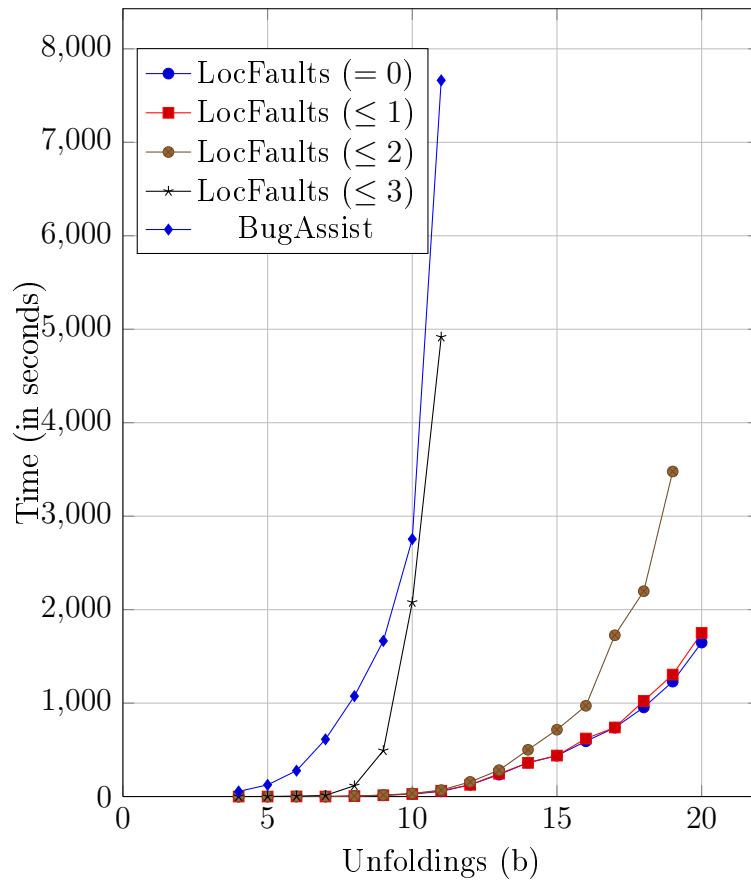TABLE 1 – Computation time for the benchmark BubbleSort

FIGURE 1 – Comparison of the evolution of times of different versions of `LocFaults` and `BugAssist` for the benchmark BubbleSort, by increasing the unwinding loop limit.

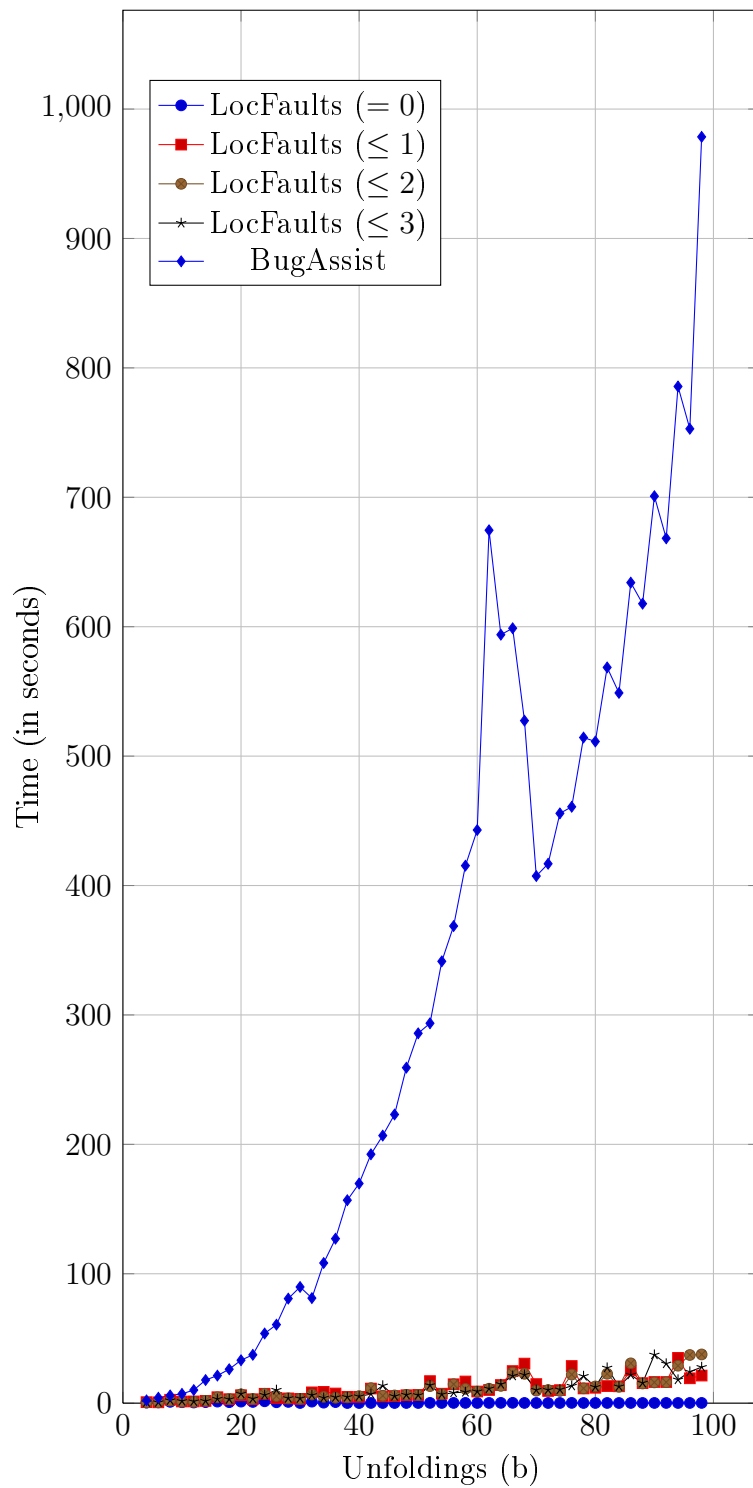| Programs	b	LocFaults					BugAssist	
		P	L				P	L
			= 0	≤ 1	≤ 2	≤ 3		
SumV0	6	0.765	0.427	0.766	0.547	0.608	0.04	2.19
SumV2	8	0.884	0.588	0.651	0.713	0.583	0.05	4.22
SumV4	10	1.109	1.015	2.645	1.993	2.103	0.06	5.98
SumV6	12	0.836	0.722	1.299	1.152	1.567	0.06	7.20
SumV8	14	0.865	0.509	1.347	1.048	1.308	0.06	10.14
SumV10	16	0.9	0.785	1.731	1.845	1.615	0.08	17.88
SumV12	18	1.086	1.188	4.592	4.558	3.279	0.09	21.31
SumV14	20	0.985	0.764	3.063	3.155	3.0	0.10	26.24
SumV16	22	1.345	1.194	6.146	6.823	7.216	0.13	33.18
SumV18	24	0.987	0.937	3.029	3.163	3.436	0.10	37.36
SumV20	26	1.11	1.449	7.27	7.264	6.34	0.12	53.85
SumV22	28	0.96	0.688	4.061	5.429	10.17	0.14	60.68
SumV24	30	0.999	0.956	3.696	3.714	3.809	0.12	80.80
SumV26	32	1.001	0.132	3.326	3.299	3.681	0.14	89.79
SumV28	34	1.103	1.173	8.356	6.706	6.187	0.15	81.19
SumV30	36	1.255	0.389	8.727	4.89	4.103	0.13	108.31
SumV32	38	1.061	0.821	7.475	4.176	4.502	0.13	127.10
SumV34	40	0.975	0.117	4.916	4.463	4.706	0.15	156.84
SumV36	42	1.008	0.121	4.914	5.448	5.202	0.16	169.73
SumV38	44	1.133	0.164	11.289	11.598	7.047	0.18	192.34
SumV40	46	1.052	0.129	5.258	5.746	13.558	0.23	206.77
SumV42	48	0.936	0.131	5.497	5.978	5.396	0.17	223.07
SumV44	50	1.042	0.148	6.129	6.451	6.384	0.20	259.24
SumV46	52	0.987	0.143	6.367	6.273	6.163	0.20	285.80
SumV48	54	1.15	0.216	17.045	13.168	13.819	0.24	293.56
SumV50	56	1.06	0.163	7.328	6.891	6.781	0.22	341.41
SumV52	58	1.183	0.186	14.605	14.619	8.055	0.23	368.68
SumV54	60	1.198	0.197	16.75	11.041	8.553	0.23	415.34
SumV56	62	1.11	0.162	8.993	8.939	9.03	0.24	442.89
SumV58	64	1.16	0.186	10.183	11.178	11.205	0.29	674.55
SumV60	66	1.588	0.235	13.998	13.343	14.698	0.36	593.82
SumV62	68	1.702	0.249	24.791	23.685	21.123	0.34	598.82
SumV64	70	1.075	0.174	30.579	22.683	21.921	0.29	527.41
SumV66	72	1.052	0.152	14.736	9.673	10.175	0.23	407.33
SumV68	74	0.809	0.138	9.449	10.159	10.206	0.23	416.81
SumV70	76	0.82	0.141	10.066	9.453	10.531	0.24	455.76
SumV72	78	0.925	0.215	28.695	22.109	13.366	0.26	460.84
SumV74	80	0.809	0.146	11.372	11.48	20.915	0.37	514.36
SumV76	82	0.862	0.145	11.903	12.923	12.487	0.24	511.29
SumV78	84	0.819	0.156	13.208	22.694	27.336	0.30	568.54
SumV80	86	0.789	0.141	13.03	12.643	12.843	0.24	548.83
SumV82	88	0.834	0.158	25.336	30.778	21.9	0.30	634.07
SumV84	90	0.789	0.156	15.47	15.203	15.67	0.26	617.77
SumV86	92	0.836	0.162	16.353	16.05	37.395	0.31	700.87
SumV88	94	0.835	0.173	16.336	16.185	30.523	0.42	668.30
SumV90	96	0.803	0.157	34.994	28.939	18.141	0.31	785.64
SumV92	98	0.875	0.159	19.218	37.227	24.283	0.33	752.92
SumV94	100	1.003	0.187	21.328	37.653	27.856	0.34	978.51

TABLE 2 – Computation time for the benchmark Sum

FIGURE 2 – Comparison of the evolution of times of different versions of `LocFaults` and `BugAssist` for the benchmark Sum, by increasing the unwinding loop limit.

Programs	b	LocFaults					BugAssist	
		P	L				P	L
			= 0	≤ 1	≤ 2	≤ 3		
SquareRootV0	10	1.096	1.737	2.098	2.113	2.066	0.05	3.51
SquareRootV1	11	1.211	1.983	2.457	1.852	2.15	0.06	3.35
SquareRootV2	12	1.128	1.97	1.809	2.335	2.074	0.06	3.74
SquareRootV3	13	1.191	1.885	1.908	2.235	2.384	0.06	4.88
SquareRootV4	14	1.155	1.908	2.096	2.408	1.881	0.06	5.30
SquareRootV5	15	1.247	1.832	2.329	2.466	1.871	0.06	5.55
SquareRootV6	16	1.122	1.749	2.366	2.902	2.386	0.06	6.60
SquareRootV7	17	1.258	1.799	2.188	2.873	2.024	0.06	6.50
SquareRootV8	18	0.737	0.974	1.144	1.126	1.149	0.05	6.08
SquareRootV9	19	0.751	0.997	1.145	1.12	1.128	0.05	5.64
SquareRootV10	20	0.724	0.974	1.131	1.117	1.099	0.05	6.54
SquareRootV11	21	0.753	1.016	1.117	1.116	1.124	0.06	6.66
SquareRootV12	22	0.756	1.014	1.145	1.121	1.124	0.06	6.71
SquareRootV13	23	0.734	0.993	1.1	1.154	1.154	0.05	7.70
SquareRootV14	24	0.757	1.01	1.115	1.124	1.132	0.06	7.67
SquareRootV15	25	0.768	1.046	1.177	1.195	1.199	0.05	12.58
SquareRootV16	26	0.744	1.026	1.164	1.174	1.22	0.06	10.76
SquareRootV17	27	0.758	1.022	1.163	1.155	1.212	0.06	12.78
SquareRootV18	28	0.728	0.983	1.172	1.209	1.147	0.07	12.74
SquareRootV19	29	0.724	1.015	1.27	1.249	1.282	0.06	13.64
SquareRootV20	30	0.771	1.048	1.16	1.171	1.223	0.08	12.32
SquareRootV21	31	0.788	1.045	1.15	1.178	1.19	0.07	15.74
SquareRootV22	32	0.735	1.025	1.167	1.134	1.166	0.07	16.45
SquareRootV23	33	0.728	1.015	1.201	1.22	1.155	0.07	17.83
SquareRootV24	34	0.756	0.987	1.209	1.224	1.16	0.08	17.68
SquareRootV25	35	0.742	0.981	1.163	1.206	1.194	0.08	20.99
SquareRootV26	36	0.738	1.034	1.202	1.186	1.226	0.09	19.90
SquareRootV27	37	0.745	1.03	1.247	1.25	1.222	0.10	19.72
SquareRootV28	38	0.743	1.01	1.214	1.246	1.243	0.09	22.55
SquareRootV29	39	0.751	1.047	1.203	1.222	1.249	0.09	22.69
SquareRootV30	40	0.765	1.048	1.248	1.266	1.28	0.09	23.35
SquareRootV31	41	0.737	1.021	1.241	1.255	1.247	0.09	22.86
SquareRootV32	42	0.743	1.062	1.24	1.257	1.257	0.10	23.64
SquareRootV33	43	0.751	1.043	1.226	1.237	1.269	0.10	27.51
SquareRootV34	44	0.761	1.033	1.216	1.242	1.286	0.10	27.19
SquareRootV35	45	0.764	1.044	1.231	1.291	1.251	0.10	29.28
SquareRootV36	46	0.756	1.053	1.227	1.297	1.199	0.11	30.27
SquareRootV37	47	0.754	1.036	1.23	1.269	1.277	0.11	29.90
SquareRootV38	48	0.758	1.05	1.238	1.246	1.226	0.11	30.00
SquareRootV39	49	0.751	1.05	1.284	1.266	1.265	0.10	36.32
SquareRootV40	50	0.769	1.089	1.271	1.291	1.299	0.12	36.16
SquareRootV41	51	0.727	1.033	1.26	1.267	1.31	0.12	34.46
SquareRootV42	52	0.741	1.038	1.289	1.302	1.286	0.12	34.09
SquareRootV43	53	0.763	1.025	1.244	1.225	1.217	0.12	42.99
SquareRootV44	54	0.753	1.046	1.272	1.297	1.291	0.12	39.28
SquareRootV45	55	0.759	1.074	1.245	1.292	1.336	0.13	38.81
SquareRootV46	56	0.76	1.085	1.305	1.26	1.281	0.13	39.42
SquareRootV47	57	0.79	1.063	1.259	1.249	1.218	0.13	42.27
SquareRootV48	58	0.76	1.013	1.255	1.25	1.275	0.12	42.87
SquareRootV49	59	0.783	1.096	1.205	1.305	1.307	0.13	44.93

| SquareRootV50	60	0.741	1.041	1.251	1.265	1.281	0.14	38.22
SquareRootV51	61	0.791	1.112	1.278	1.281	1.301	0.13	46.18
SquareRootV52	62	0.752	1.07	1.313	1.285	1.321	0.14	44.53
SquareRootV53	63	0.793	1.074	1.3	1.253	1.306	0.15	45.45
SquareRootV54	64	0.775	1.107	1.367	1.424	1.368	0.14	47.91
SquareRootV55	65	0.75	1.113	1.411	1.364	1.328	0.14	51.55
SquareRootV56	66	0.765	1.104	1.349	1.361	1.386	0.15	50.51
SquareRootV57	67	0.789	1.119	1.334	1.411	1.423	0.16	51.83
SquareRootV58	68	0.768	1.111	1.417	1.385	1.417	0.15	53.82
SquareRootV59	69	0.792	1.077	1.356	1.318	1.292	0.15	56.22
SquareRootV60	70	0.778	1.118	1.417	1.424	1.408	0.15	55.15
SquareRootV61	71	0.774	1.094	1.353	1.418	1.378	0.16	56.52
SquareRootV62	72	0.788	1.103	1.305	1.353	1.31	0.15	56.00
SquareRootV63	73	0.781	1.122	1.383	1.463	1.404	0.18	55.55
SquareRootV64	74	0.756	1.03	1.355	1.4	1.401	0.18	57.12
SquareRootV65	75	0.81	1.118	1.297	1.379	1.297	0.15	59.67
SquareRootV66	76	0.744	1.042	1.417	1.433	1.443	0.18	53.98
SquareRootV67	77	0.789	1.129	1.412	1.408	1.361	0.19	57.38
SquareRootV68	78	0.789	1.126	1.393	1.37	1.361	0.20	56.68
SquareRootV69	79	0.764	1.102	1.352	1.367	1.391	0.19	57.75
SquareRootV70	80	0.769	1.114	1.407	1.424	1.386	0.19	57.09
SquareRootV71	81	0.81	1.149	1.439	1.463	1.545	0.19	69.00
SquareRootV72	82	0.777	1.071	1.36	1.369	1.293	0.19	64.40
SquareRootV73	83	0.784	1.137	1.446	1.472	1.427	0.20	67.80
SquareRootV74	84	0.785	1.093	1.369	1.335	1.376	0.20	67.25
SquareRootV75	85	0.818	1.158	1.41	1.364	1.373	0.20	65.55
SquareRootV76	86	0.799	1.155	1.478	1.434	1.487	0.21	69.78
SquareRootV77	87	0.788	1.152	1.388	1.452	1.576	0.21	68.32
SquareRootV78	88	0.795	1.156	1.452	1.476	1.494	0.22	68.66
SquareRootV79	89	0.767	1.12	1.475	1.444	1.518	0.20	67.41
SquareRootV80	90	0.744	1.085	1.454	1.393	1.505	0.22	64.94
SquareRootV81	91	0.794	1.081	1.433	1.356	1.374	0.22	70.76
SquareRootV82	92	0.763	1.101	1.416	1.406	1.361	0.21	66.88
SquareRootV83	93	0.763	1.082	1.364	1.447	1.397	0.24	70.20
SquareRootV84	94	0.766	1.123	1.465	1.478	1.41	0.22	66.38
SquareRootV85	95	0.747	1.09	1.463	1.408	1.422	0.23	66.82
SquareRootV86	96	0.743	1.101	1.447	1.47	1.437	0.23	65.36
SquareRootV87	97	0.751	1.035	1.424	1.327	1.425	0.22	70.84
SquareRootV88	98	0.784	1.135	1.452	1.503	1.488	0.24	72.02
SquareRootV89	99	0.78	1.094	1.514	1.498	1.456	0.25	71.42
SquareRootV90	100	0.791	1.168	1.605	1.616	1.613	0.24	80.81

Table 3 – Computation time for the benchmark SquareRoot
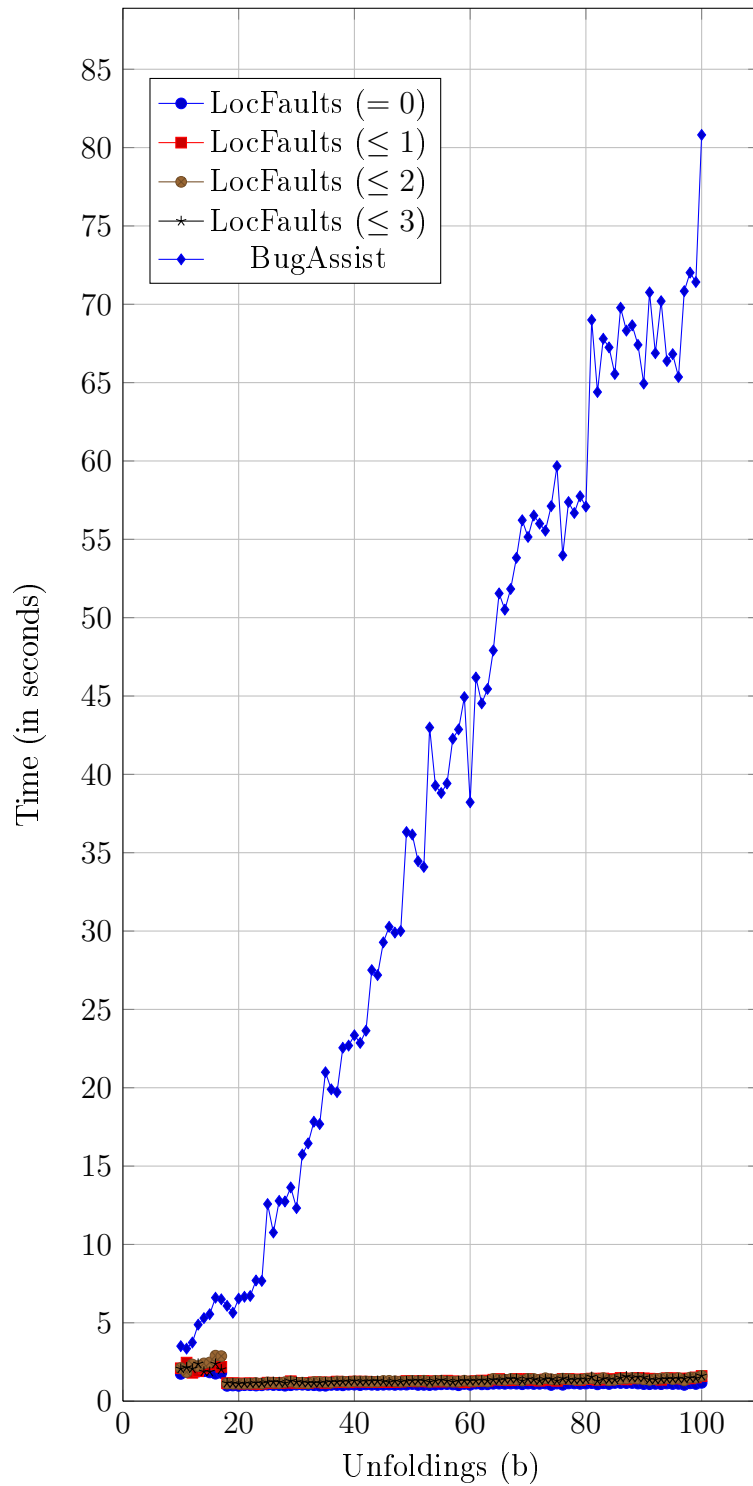
FIGURE 3 – Comparison of the evolution of times of different versions of `LocFaults` and `BugAssist` for the benchmark SquareRoot, by increasing the unwinding loop limit.