Arquitectura de Computadores Avançada Comparative analysis of the execution time under different conditions (computer system 1)

Comp Config		Intel(R) Core(TM) 4 x i5-6200U CPU @ 2.30GHz / 8GB													
0		dhrystone													
Operating System	Gcc version	no opt							opt						
System	VC1 51011	run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up	
windows 10	6.4.0	0,843	0,798	0,812	0,798	0,798	0,810	0,140	0,140	0,140	0,140	0,140	0,140	5,8	
linux 4.12.9	6.4.1	0,821	0,817	0,826	0,824	0,822	0,822	0,252	0,249	0,259	0,252	0,252	0,253	3,3	
linux 4.18.5	8.1.1	0,844	0,838	0,859	0,836	0,853	0,846	0,284	0,288	0,289	0,290	0,285	0,287	2,9	
linux 4.18.8	8.1.1	0,920	1,047	0,992	0,926	0,931	0,963	0,274	0,264	0,264	0,265	0,264	0,266	3,6	
linux 5.0.16	8.3.1	0,842	0,966	0,958	0,955	0,868	0,918	0,256	0,254	0,259	0,254	0,274	0,259	3,5	
	Gcc version	whetstone													
Operating System		no opt						opt							
System	V CI SIUII	run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up	
windows 10	6.4.0	3,218	3,187	3,156	3,203	3,187	3,190	0,578	0,562	0,562	0,578	0,578	0,572	5,6	
linux 4.12.9	6.4.1	2,359	2,346	2,348	2,339	2,337	2,346	0,902	0,918	0,902	0,900	0,898	0,904	2,6	
linux 4.18.5	8.1.1	2,190	2,173	2,182	2,171	2,197	2,183	0,738	0,730	0,739	0,716	0,737	0,732	3,0	
linux 4.18.8	8.1.1	2,217	2,225	2,253	2,217	2,222	2,227	0,730	0,772	0,774	0,766	0,768	0,762	2,9	
linux 5.0.16	8.3.1	2,272	2,297	2,462	2,463	2,271	2,353	0,744	0,717	0,717	0,741	0,744	0,733	3,2	

Arquitectura de Computadores Avançada Comparative analysis of the execution time under different conditions (computer system 1)

	Gcc version	primevl												
Operating System		no opt							opt					
System	ver ston	run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up
windows 10	6.4.0	3,406	3,406	3,406	3,406	3,406	3,406	3,031	3,031	3,031	3,015	3,031	3,028	1,1
linux 4.12.9	6.4.1	3,253	3,287	3,291	3,283	3,260	3,275	2,929	2,941	2,932	2,930	2,928	2,932	1,1
linux 4.18.5	8.1.1	3,277	3,307	3,264	3,254	3,277	3,276	2,621	2,628	2,632	2,621	2,624	2,625	1,2
linux 4.18.8	8.1.1	3,899	3,343	3,914	3,352	3,334	3,568	2,681	2,679	2,954	2,678	2,922	2,783	1,3
linux 5.0.16	8.3.1	3,322	3,292	3,309	3,311	3,386	3,324	2,664	2,640	2,714	2,647	2,658	2,665	1,2
	Gcc version							primev2						
Operating System				no	opt					0	pt			
System	VCI 51011	run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up
windows 10	6.4.0	9,187	9,187	9,124	9,203	9,375	9,215	6,374	6,328	6,327	6,358	6,375	6,352	1,5
linux 4.12.9	6.4.1	8,098	8,153	8,093	8,089	8,124	8,111	5,488	5,488	5,484	5,489	5,488	5,487	1,5
linux 4.18.5	8.1.1	10,992	11,059	11,088	11,158	11,161	11,092	5,358	5,404	5,356	5,416	5,361	5,379	2,1
linux 4.18.8	8.1.1	11,636	11,694	11,571	12,113	11,980	11,799	5,696	5,593	5,660	5,623	5,611	5,637	2,1
linux 5.0.16	8.3.1	11,244	11,253	11,349	11,160	11,278	11,257	5,375	5,334	5,317	5,338	5,316	5,336	2,1

Arquitectura de Computadores Avançada Comparative analysis of the execution time under different conditions (computer system 1)

	6							crypt						
Operating System	Gcc version			no	opt									
System	VCI 51011	run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up
linux 4.18.5	8.1.1	0,889	0,890	0,889	0,895	0,888	0,890	0,388	0,397	0,386	0,398	0,393	0,392	2,3
linux 4.18.8	8.1.1	1,100	0,975	0,998	0,918	0,928	0,984	0,433	0,415	0,427	0,442	0,421	0,428	2,3
linux 5.0.16	8.3.1	0,904	0,899	0,896	0,899	0,900	0,900	0,402	0,388	0,394	0,399	0,385	0,394	2,3
	Gcc version	newCrypt												
Operating System				no	opt					Oj	pt			
System		run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up
linux 4.18.5	8.1.1	8,817	7,950	7,611	5,247	5,443	7,014	17,560	5,577	11,660	4,518	11,700	10,203	0,7
linux 4.18.8	8.1.1	4,981	9,318	5,628	3,772	4,582	5,656	6,739	8,343	4,286	8,586	7,829	7,157	0,8
linux 5.0.16	8.3.1	7,962	9,647	6,329	5,124	7,178	7,248	5,924	8,515	6,032	8,514	8,312	7,459	1,0

Arquitectura de Computadores Avançada Comparative analysis of the execution time under different conditions (computer system 2)

				Inte	I(R) Core(TM) i5-43	00M CPU	@ 2.60GH	Hz / 8 MB						
Operating System	~	dhrystone													
	Gcc version			no	opt			opt							
System	VCI 51011	run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up	
windows 7	5.4.0	0,826	0,812	0,826	0,873	0,842	0,836	0,140	0,140	0,152	0,140	0,140	0,142	5,9	
linux 3.19.8	4.8.3	0,715	0,768	0,773	0,783	0,778	0,763	0,237	0,295	0,232	0,233	0,205	0,240	3,2	
0	C		primevl												
Operating System	Gcc version			no	opt					o	pt				
System	VC1 51011	run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up	
windows 7	5.4.0	4,773	4,773	4,711	4,617	4,617	4,698	3,759	4,009	4,009	3,822	3,806	3,881	1,2	
linux 3.19.8	4.8.3	3,836	3,929	3,909	3,937	3,820	3,886	3,376	3,338	3,285	3,300	3,287	3,317	1,2	
	Gcc version							primev2							
Operating System				no	opt			opt							
System		run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up	
windows 7	5.4.0	11,528	11,466	11,465	11,450	11,449	11,472	8,127	8,127	8,127	8,174	8,174	8,146	1,4	
linux 3.19.8	4.8.3	11,187	11,000	10,913	10,874	11,057	11,006	7,966	7,849	7,921	7,900	7,946	7,916	1,4	
	~							crypt							
Operating System	Gcc version			no	opt			opt							
System	VCI 51011	run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up	
windows 7	5.4.0	1,004	1,045	1,025	0,999	1,084	1,031	0,378	0,372	0,375	0,374	0,380	0,376	2,7	
linux 3.19.8	4.8.3	0,920	0,925	0,929	0,932	0,916	0,924	0,352	0,354	0,344	0,358	0,347	0,351	2,6	
	_							newCript							
Operating System	Gcc version			no	opt			opt							
System	v Ci Siuli	run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up	
windows 7	5.4.0	5,767	5,731	5,743	5,751	5,747	5,748	5,641	5,627	5,647	5,638	5,641	5,639	1,0	
linux 3.19.8	4.8.3	5,993	6,035	5,285	5,282	5,253	5,570	6,021	5,206	6,082	5,974	5,939	5,844	1,0	

Arquitectura de Computadores Avançada Comparative analysis of the execution time under different conditions (computer system 3)

Comp	Config		Intel(R) Core(TM)2 Duo CPU T5800 @ 2.00GHz / 3GB												
Operating	Gee							dhrystone						1	
System	version			no	opt					0]	pt				
System	Version	run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up	
linux 3.19.8	4.8.3	1,737	1,733	1,722	1,734	1,728	1,731	0,369	0,356	0,305	0,304	0,343	0,335	5,2	
Onevating	Gcc	whetstone													
Operating System	version			no	opt					0]	pt				
System	version	run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up	
linux 3.19.8	4.8.3	5,287	5,282	5,290	5,287	5,285	5,286	1,982	1,980	1,978	1,977	1,969	1,977	2,7	
	Gcc version	primevl													
Operating System		no opt							opt						
System		run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up	
linux 3.19.8	4.8.3	9,617	9,615	9,619	9,609	9,627	9,617	9,920	9,925	9,913	9,916	9,918	9,918	1,0	
	Gcc version	primev2													
Operating System		no opt						opt							
System		run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up	
linux 3.19.8	4.8.3	23,989	23,831	23,778	23,867	24,219	23,937	19,379	19,195	19,237	19,204	19,197	19,242	1,2	
	•							crypt							
Operating System	Gcc version		no opt						opt						
System	version	run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up	
linux 3.19.8	4.8.3	2,285	2,279	2,309	2,245	2,303	2,284	0,652	0,644	0,644	0,645	0,642	0,645	3,5	
								newCript							
Operating System	Gcc version			no	opt			opt							
System	70131011	run 1	run 2	run 3	run 4	run 5	aver	run 1	run 2	run 3	run 4	run 5	aver	speed up	
linux 3.19.8	4.8.3	14,220	14,550	12,840	13,770	14,480	13,972	18,740	19,090	18,730	20,320	18,820	19,140	0,7	