lscpu:

David Martinez Diaz GII-ADE

Optimizacion -O0

	0	1	2	3	4	5	6	7	8	9	10	Media
popcount1 (lenguaje C - for)	68569	70375	68942	80447	67772	67317	68247	70016	65654	66942	65493	69070
popcount2 (lenguaje C - while)	37711	34692	36232	41278	36112	36896	35232	34470	36524	34600	34599	36213
popcount3 (leng.ASM-body while 4i)	12133	10321	9941	11992	10139	9977	10179	9906	9636	9696	9582	10318
popcount4 (leng.ASM-body while 3i)	9218	9601	9439	9941	8989	9921	9661	8966	11302	9150	9775	9633
popcount5 (CS:APP2e 3.49-group 8b)	18441	17631	18543	25112	17910	17960	18297	17564	17564	17863	17096	18509
popcount6 (Wikipedia- naive - 32b)	6637	6884	6533	6299	6629	6279	6390	6284	6186	6146	7884	6559
popcount7 (Wikipedia- naive -128b)	5218	5419	6414	5255	5415	5296	5379	5183	5699	5209	5221	5428
popcount8 (asm SSE3 - pshufb 128b)	675	755	734	904	656	778	882	635	650	686	627	726
popcount9 (asm SSE4- popcount 32b)	2289	2317	2241	2277	2254	2239	3105	2263	2237	2272	2250	2340
popcount10(asm SSE4- popcount128b)	1566	1362	1470	1432	1389	1395	1468	1577	1391	1410	1349	1437

Optimizacion -Og

	0	1	2	3	4	5	6	7	8	9	10	Media
popcount1 (lenguaje C - for)	18166	19150	20359	18891	27479	18076	18286	18251	19411	18050	18356	19498
popcount2 (lenguaje C - while)	6814	6949	11941	6861	6861	11739	7056	7224	7037	8737	7024	8022
popcount3 (leng.ASM-body while 4i)	12250	8904	10074	9010	8779	16603	9648	8804	9080	9220	8954	10121
popcount4 (leng.ASM-body while 3i)	12338	10977	10783	10747	17598	10686	11536	10823	10926	11129	11089	11694
popcount5 (CS:APP2e 3.49-group 8b)	4414	4556	4330	4836	4294	4292	4554	4332	4259	4608	4301	4434
popcount6 (Wikipedia- naive - 32b)	2085	2139	2095	2966	2218	2105	2099	2128	2172	2125	2208	
popcount7 (Wikipedia- naive -128b)	2033	2041	2006	2023	2175	1954	2711	1974	1969	2101	2006	2090
popcount8 (asm SSE3 - pshufb 128b)	385	404	383	390	709	334	363	403	365	355	352	404
popcount9 (asm SSE4- popcount 32b)	432	405	419	457	666	420	430	401	391	391	436	441
popcount10(asm SSE4- popcount128b)	536	583	536	586	641	527	559	542	556	573	610	568

Optimizacion -Og

	0	1	2	3	4	5	6	7	8	9	10	Media
popcount1 (lenguaje C - for)	20743	19364	19864	19549	19258	18953	20166	19341	20911	18770	20375	19754
popcount2 (lenguaje C - while)	16384	11601	11789	11127	10997	11095	11187	11783	11557	10893	12653	11915
popcount3 (leng.ASM-body while 4i)	12302	9027	8769	9280	9031	8835	9431	9663	9305	9751	9751	9672
popcount4 (leng.ASM-body while 3i)	8658	8600	8969	8587	8873	8322	8354	8230	9371	8504	8912	8671
popcount5 (CS:APP2e 3.49-group 8b)	4130	3585	3576	3646	3592	4055	4060	3558	3778	3717	4614	3846
popcount6 (Wikipedia- naive - 32b)	2281	2534	2089	2103	2607	2148	2267	2097	2207	2142	2706	2289
popcount7 (Wikipedia- naive -128b)	1987	2069	1962	1995	2018	1980	1984	2069	2211	1981	2105	2033
popcount8 (asm SSE3 - pshufb 128b)	355	591	633	368	453	426	376	425	452	366	428	443
popcount9 (asm SSE4- popcount 32b)	568	607	601	568	700	565	581	589	607	530	654	597
popcount10(asm SSE4- popcount128b)	570	547	642	557	579	536	573	848	615	539	589	600

Optimizacion -Og

	0	1	2	3	4	5	6	7	8	9	10	Media
popcount1 (lenguaje C - for)	14324	11511	11533	11142	11395	11768	11209	11187	11892	11219	11159	11667
popcount2 (lenguaje C - while)	10532	7138	7435	7001	7728	6947	7056	6865	6814	7152	6943	7419
popcount3 (leng.ASM-body while 4i)	9624	9533	9036	8831	8788	8771	13967	8679	8949	9005	8725	9446
popcount4 (leng.ASM-body while 3i)	9356	8744	8434	8569	10018	8321	8992	8274	8252	8231	8273	8679
popcount5 (CS:APP2e 3.49-group 8b)	3645	3722	3616	3830	3621	3614	4214	4211	3623	3696	3633	3766
popcount6 (Wikipedia- naive - 32b)	1920	1926	1896	1912	1911	1915	1975	3003	1901	2049	1918	2030
popcount7 (Wikipedia- naive -128b)	2040	2158	1914	1888	1955	1909	1888	1911	1929	2131	1888	1965
popcount8 (asm SSE3 - pshufb 128b)	630	490	403	434	371	363	351	366	400	421	621	441
popcount9 (asm SSE4- popcount 32b)	615	553	630	412	400	398	390	418	405	469	512	473
popcount10(asm SSE4- popcount128b)	652	829	595	562	584	549	542	532	546	550	625	597

Bucles for/while

Legend: Popcount 10, Popcount 9, Popcount 8, Popcount 7, Popcount 6, Popcount 5, Popcount 4
Eje: -O0 -Og -O1 -O2

Sumas en árbol

Legend: Popcount 10, Popcount 9, Popcount 8, Popcount 7, Popcount 6, Popcount 5
Eje: -O0 -Og -O1 -O2

Repertorio multimedia

Legend: Popcount 8, Popcount 9, Popcount 10
Eje: -O0 -Og -O1 -O2