/proc/cpuinfo   Intel(R) Core(TM) i7-4510U CPU @ 2.00GHz
cache size:4096 KB

POPCOUNT: gcc -m32 popcount.c -o pocount
for((i=0; i<11; i++)); do echo $i ; ./popcount; done | pr -11 -l 20 -w 80
ignorar medición 0, repetir columna si alguna medición se sale demasiado de la media

Optimizacion -00	0	1	2	3	4	5	6	7	8	9	10	media
popcount1 (lenguaje C- for)	82176	80682	79056	81756	81805	78894	80169	78953	81684	79853	81568	80442
popcount2 (lenguaje C- while)	44464	43283	44752	43784	43294	51900	46056	44566	43284	45272	43827	45002
popcount3 (lenguaje ASM- cuerpo while)	13351	13122	13174	13082	13355	13117	13138	13624	13144	13072	13123	13195
popcount4 (l.CS:APP 3.49-group 8b)	22827	21831	21836	21863	24032	22290	21835	22871	21857	21850	21817	22208
Popcount5 (asm SSE3- pshufb 128b)	1087	979	994	997	1084	1436	977	976	979	981	987	1039
Popcount6 (asm SSE4- popcount 32b)	3359	3078	3083	3032	3357	4296	3296	3028	3148	3030	3036	3238
popcount7 (asm SSE4- popcount 2x32b)	2118	1940	1927	1916	2157	1947	2235	1979	1912	1923	1916	1985

Optimizacion -01	0	1	2	3	4	5	6	7	8	9	10	media
popcount1 (lenguaje C- for)	64658	32650	28092	27851	28842	28277	27710	27786	28072	27745	28482	28551
popcount2 (lenguaje C- while)	26404	15090	13721	13698	13681	14038	13717	13737	16519	13684	13713	14160
popcount3 (lenguaje ASM- cuerpo while)	17166	12483	11340	11899	11323	12452	11423	11313	11533	11350	11239	11636
popcount4 (l.CS:APP 3.49-group 8b)	8925	6801	6115	6297	6162	6308	6308	6118	6112	6137	6213	6257
popcount5(asm SSE3- pshufb 128b)	624	491	462	450	453	445	451	460	460	470	454	460
popcount6(asm SSE4- popcount 32b)	740	562	516	518	507	511	513	503	516	503	508	516
popcount7 (asm SSE4- popcount 2x32b)	749	581	580	516	535	514	537	513	527	516	517	534

Optimizacion -02	0	1	2	3	4	5	6	7	8	9	10	media
popcount1 (lenguaje C- for)	27129	18504	19449	18497	18499	18549	18506	18504	18554	18487	18537	18609
popcount2 (lenguaje C- while)	17133	13614	12486	12124	12604	12295	12043	13543	12661	12852	12891	12711
popcount3 (lenguaje ASM- cuerpo while)	14033	11407	11265	11218	11252	11436	11231	11582	11244	11257	11260	11315
popcount4 (l.CS:APP 3.49-group 8b)	5988	5233	5023	5244	5597	4992	5251	5084	5026	5021	5059	5153
popcount5(asm SSE3- pshufb 128b)	535	440	454	452	440	441	438	442	437	441	439	442
popcount6(asm SSE4- popcount 32b)	530	510	530	524	510	510	513	506	512	509	578	520
popcount7 (asm SSE4- popcount 2x32b)	517	517	529	516	518	528	536	520	513	515	545	524

POPCOUNT:	"-O0 "	"-01"	"-02"
popcount1	80442	28551	18609
popcount2	45002	14160	12711
popcount3	13195	11636	11315
popcount4	22208	6257	5153
popcount5	1039	460	442
popcount6	3238	516	520
popcount7	1985	534	524