

/proc/cpuinfo

model name : Intel(R) Core(TM) i5-3210M CPU @ 2.50GHz
cache size : 3072 KB

NOMBRE: JOSÉ ANTONIO PADIAL MOLINA
CURSO: 2ºD 2016/2017

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)	145006	159676	96138	160692	96206	96946	97044	97121	96449	96414	96960	109365
popcount2 (lenguaje C- while)	45640	50283	44949	50399	44511	44567	44581	44522	45090	44637	44540	45808
popcount3 (lenguaje ASM- cuerpo while)	13675	13978	13635	13982	13718	13651	13620	13658	13651	13831	13645	13737
popcount4 (l.CS:APP 3.49-group 8b)	23012	22930	22943	22856	22903	22951	22896	22881	22856	22893	23001	22911
Popcount5 (asm SSE3- pshufb 128b)	1092	1094	1093	1093	1093	1088	1084	1117	1093	1090	1094	1094

Optimizacion -01	0	1	2	3	4	5	6	7	8	9	10	media
popcount1 (lenguaje C- for)	49540	60591	61650	59812	36973	44078	61911	56732	62239	58294	59656	56194
popcount2 (lenguaje C- while)	21209	23196	22825	23160	16036	19860	23020	23065	23021	21814	21866	21786
popcount3 (lenguaje ASM- cuerpo while)	19419	21354	21079	21136	15543	18157	21121	21092	21072	20442	20240	20124
popcount4 (l.CS:APP 3.49-group 8b)	8808	9212	9267	9209	7112	8023	9097	9207	9395	9075	8549	8815
popcount5(asm SSE3- pshufb 128b)	706	775	774	766	584	677	811	775	783	739	735	742

Optimizacion -02	0	1	2	3	4	5	6	7	8	9	10	media
popcount1 (lenguaje C- for)	55474	34316	25493	27913	27700	27787	27538	27844	26051	25781	27614	27804
popcount2 (lenguaje C- while)	30549	21834	19470	19503	20036	19411	19412	19920	19382	19377	19423	19777
popcount3 (lenguaje ASM- cuerpo while)	18963	14174	13261	13271	13304	13246	13242	13354	13264	13249	13275	13364
popcount4 (l.CS:APP 3.49-group 8b)	11011	8508	8171	8156	8167	8156	8189	8162	8163	8166	8164	8200
popcount5(asm SSE3- pshufb 128b)	642	482	470	466	469	461	504	472	467	463	481	474

POPCOUNT:	"-00 "	"-01"	"-02"
popcount1	109365	56194	27804
popcount2	45808	21786	19777
popcount3	13737	20124	13364
popcount4	22911	8815	8200
popcount5	1094	742	474

