cache size: 512 KB

POPCOUNT:

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

ignoral medicion, repetit columna si alguna medicion se sale demasiado de la media												
Optimización -O0	0	1	2	3	4	5	6	7	8	9	10	media
popcount1 (lenguaje C- for)	395743	395188	394874	394856	394790	394524	394767	394447	395000	395056	395093	395140,5
popcount2 (lenguaje C- while)	218972	218701	218534	218508	219547	218726	219198	219041	219068	219997	218424	218562,5
popcount3 (leng.ASM -cuerpo while)	50976	50939	50876	50974	50931	50915	50917	50891	50907	50946	50903	50921
popcount4 (I.CS:APP 3,49-group 8b)	129800	129417	130014	130069	130856	130424	129522	129675	129311	129968	129752	129584,5
popcount5 (asm SSE3 - pshufb 128b)	7770	7743	7725	7696	7736	7704	7729	7707	7735	7743	7725	7734
popcount6 (asm SSE4 - popcount 32b)	21935	21850	21513	21585	22070	22173	21797	23166	21998	21887	21907	21878,5
popcount7 (asm SSE4 - popcnt 2x32b)	16276	16212	16216	16241	16191	16189	16203	16216	16182	16182	16145	16178,5
											_	
Optimización -O1	0	1	2	3	4	5	6	7	8	9	10	media
popcount1 (lenguaje C- for)	89515	89346	89346	90841	89510	89469	89403	89542	89476	89426	89455	89400,5
popcount2 (lenguaje C- while)	45004	44826	44921	44912	45063	44876	45019	44869	44932	44895	44909	44867,5
popcount3 (leng.ASM -cuerpo while)	43862	44109	44076	44730	45101	44352	44144	44980	44113	44126	44071	44090
popcount4 (I.CS:APP 3,49-group 8b)	40319	40346	40311	40416	40508	40386	40375	40359	40378	40416	40416	40381
popcount5 (asm SSE3 – pshufb 128b)	4464	4437	4422	4436	4482	4436	4428	4473	4485	4465	4434	4435,5
popcount6 (asm SSE4 – popcount 32b)	6284	6270	6338	6295	6344	6300	6333	6297	6321	6302	6268	6269
popcount7 (asm SSE4 – popcnt 2x32b)	5583	5593	5549	5646	5553	5598	5556	5590	5540	5590	5622	5607,5
Optimización -O2	0	1	2	3	4	5	6	7	8	9	10	media
popcount1 (lenguaje C- for)	88656	88349	87820	87859	87797	87839	87827	87807	87805	87905	87768	88058,5
popcount2 (lenguaje C- while)	38716	38572	38541	38574	38589	38541	38553	38582	38552	38574	38592	38582
popcount3 (leng.ASM -cuerpo while)	44264	43981	44520	43540	44038	43767	43770	43766	43790	43985	43862	43921,5
popcount4 (I.CS:APP 3,49-group 8b)	39585	39571	39528	39529	39682	39517	39616	39592	39540	39532	39546	39558,5
popcount5 (asm SSE3 – pshufb 128b)	4451	4433	4484	4430	4439	4459	4438	4437	4466	4426	4435	4434
popcount6 (asm SSE4 – popcount 32b)	6309	6273	6302	6306	6328	6279	6313	6273	6281	6311	6272	6272,5
popcount7 (asm SSE4 – popcnt 2x32b)	5549	5585	5557	5550	5530	5575	5552	5589	5576	5564	5587	5586
POPCOUNT	00 01	02										
popcount1	395140,5	89400,5	88058,5					150000				
popcount2	218562,5	44867,5	38582				■ popcount7	,				
popcount3	50921	44090	43921,5	400000			popcount6	100000				popcount7
popcount4	129584,5	40381	39558,5	300000			■ popcount5	100000				popcount6
popcount5	7734	4435,5	4434				popcount4					popcount5
popcount6	21878,5	6269	6272,5	200000			= popodunt3	50000				popcount4
popcount7	16178,5	5607,5	5586	100000		pope	count1	,				popcount4
						popcount4	- popodantz	٠ .			count4	
				0	po	pcount7	■ popcount1	_	00 01	O2 popcount	1	
				00	01 02							