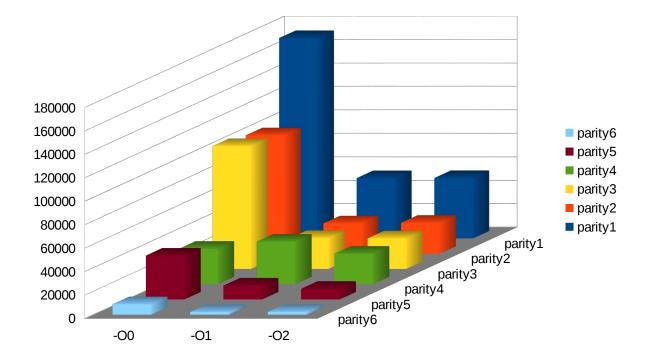Sheet1

| /proc/cpuinfo | AMD A10-7300 Radeon R6, 10 Compute Cores 4C+6G |
| | cache size = 2048 KB |

| PARITY: | gcc -m32 parity.c -o parity |
| | for((i=0; i<11;i++));do echo $i; ./parity; done| pr -11 -l 20 -w 80 |
| | ignoramos la medicion 0 |

| Optimizacion -O0 | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | media |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| parity1 | (lenguage C – for): | 215812 | 172813 | 169999 | 170234 | 170392 | 172819 | 173511 | 170082 | 169406 | 169764 | 170624 | 170964,4 |
| parity2 | (lenguaje C – while): | 125626 | 102535 | 102479 | 98256 | 98947 | 101422 | 101530 | 101126 | 100695 | 101920 | 101660 | 101057 |
| parity3 | (I.CS:APP 3.22 – mask final): | 135511 | 107569 | 102222 | 106057 | 105312 | 105251 | 106761 | 105848 | 105376 | 106857 | 97383 | 104863,6 |
| parity4 | (lenaguaje ASM – cuerpo while): | 40808 | 28269 | 27632 | 35133 | 30455 | 30786 | 25861 | 36001 | 25348 | 39382 | 25145 | 30401,2 |
| parity5 | (I.CS:APP 3.49 – 32b,16b..1b): | 35691 | 37663 | 37196 | 37086 | 38074 | 37983 | 36959 | 37351 | 37378 | 39625 | 35979 | 37529,4 |
| parity6 | (lenguaje ASM-cuerpo for-setnp): | 8737 | 8885 | 8887 | 9384 | 8846 | 9518 | 8094 | 9999 | 8838 | 9265 | 8711 | 9042,7 |

| Optimizacion -O1 | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | media |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| parity1 | (lenguage C – for): | 60007 | 62152 | 59191 | 47507 | 48601 | 51242 | 50675 | 52796 | 48840 | 48382 | 46348 | 51573,4 |
| parity2 | (lenguaje C – while): | 30947 | 31404 | 31819 | 24485 | 24453 | 24430 | 24467 | 24442 | 25125 | 24462 | 24459 | 25954,6 |
| parity3 | (I.CS:APP 3.22 – mask final): | 31665 | 33279 | 31638 | 24964 | 24983 | 24947 | 24980 | 24980 | 25073 | 24965 | 24994 | 26480,3 |
| parity4 | (lenaguaje ASM – cuerpo while): | 43638 | 43947 | 39621 | 35427 | 34810 | 34969 | 35209 | 35178 | 35130 | 34780 | 35451 | 36452,2 |
| parity5 | (I.CS:APP 3.49 – 32b,16b..1b): | 14788 | 14842 | 11672 | 11692 | 11669 | 11663 | 11674 | 11670 | 11710 | 11691 | 11696 | 11997,9 |
| parity6 | (lenguaje ASM-cuerpo for-setnp): | 2897 | 2904 | 2324 | 2331 | 2317 | 2304 | 2312 | 2306 | 2333 | 2309 | 2370 | 2381 |

| Optimizacion -O2 | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | media |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| parity1 | (lenguage C – for): | 62793 | 61143 | 63057 | 47285 | 47752 | 46586 | 51222 | 49247 | 47679 | 50796 | 51778 | 51654,5 |
| parity2 | (lenguaje C – while): | 30959 | 30954 | 32814 | 24546 | 25140 | 24471 | 25765 | 25065 | 25381 | 24450 | 25764 | 26435 |
| parity3 | (I.CS:APP 3.22 – mask final): | 30941 | 30949 | 33315 | 24425 | 25156 | 24589 | 24580 | 25773 | 24627 | 24410 | 24662 | 26248,6 |
| parity4 | (lenaguaje ASM – cuerpo while): | 30883 | 30903 | 31382 | 24387 | 25275 | 24399 | 26155 | 25232 | 24685 | 24431 | 24388 | 26123,7 |
| parity5 | (I.CS:APP 3.49 – 32b,16b..1b): | 11008 | 11011 | 11042 | 8697 | 8721 | 8720 | 8733 | 8728 | 8696 | 8712 | 8709 | 9176,9 |
| parity6 | (lenguaje ASM-cuerpo for-setnp): | 2905 | 2905 | 2904 | 2327 | 2336 | 2326 | 2343 | 2312 | 2337 | 2316 | 2326 | 2443,2 |

| PARITY: | -O0 | -O1 | -O2 |
|---|---|---|---|
| parity1 | 170964,4 | 51573,4 | 51654,5 |
| parity2 | 101057 | 25954,6 | 26435 |
| parity3 | 104863,6 | 26480,3 | 26248,6 |
| parity4 | 30401,2 | 36452,2 | 26123,7 |
| parity5 | 37529,4 | 11997,9 | 9176,9 |
| parity6 | 9042,7 | 2381 | 2443,2 |