Marcin Sawczuk 303163, zajęcia 9

1.

marcin@Inspiron-5570:~/Pulpit/PMiM/Lab 10$ gcc -o lab_9a lab_9a.c lab_9a_asm.s
marcin@Inspiron-5570:~/Pulpit/PMiM/Lab 10$ ./lab_9a
FactC(1) = 1 FactA(1) = 1
FactC(2) = 2 FactA(2) = 2

FactC(3) = 6 FactA(3) = 6
FactC(4) = 24 FactA(4) = 24
FactC(5) = 120 FactA(5) = 120
FactC(6) = 720 FactA(6) = 720
FactC(7) = 5040 FactA(7) = 5040
FactC(8) = 40320 FactA(8) = 40320
FactC(9) = 362880 FactA(9) = 362880
FactC(10) = 3628800 FactA(10) = 3628800
FactC(11) = 39916800 FactA(11) = 39916800
FactC(12) = 479001600 FactA(12) = 479001600
FactC(13) = 6227020800 FactA(13) = 6227020800
FactC(14) = 87178291200 FactA(14) = 87178291200
FactC(15) = 1307674368000 FactA(15) = 1307674368000
FactC(16) = 20922789888000 FactA(16) = 20922789888000
FactC(17) = 355687428096000 FactA(17) = 355687428096000
FactC(18) = 6402373705728000 FactA(18) = 6402373705728000
FactC(19) = 121645100408832000 FactA(19) = 121645100408832000
FactC(20) = 2432902008176640000 FactA(20) = 2432902008176640000
FactC(21) = -4249290049419214848 FactA(21) = -4249290049419214848
FactC(22) = -1250660718674968576 FactA(22) = -1250660718674968576
FactC(23) = 8128291617894825984 FactA(23) = 8128291617894825984
FactC(24) = -7835185981329244160 FactA(24) = -7835185981329244160
FactC(25) = 7034535277573963776 FactA(25) = 7034535277573963776
FactC(26) = -1569523520172457984 FactA(26) = -1569523520172457984
FactC(27) = -5483646897237262336 FactA(27) = -5483646897237262336
FactC(28) = -5968160532966932480 FactA(28) = -5968160532966932480
FactC(29) = -7055958792655077376 FactA(29) = -7055958792655077376
FactC(30) = -8764578968847253504 FactA(30) = -8764578968847253504
FactC(31) = 4999213071378415616 FactA(31) = 4999213071378415616
FactC(32) = -6045878379276664832 FactA(32) = -6045878379276664832
FactC(33) = 3400198294675128320 FactA(33) = 3400198294675128320
FactC(34) = 4926277576697053184 FactA(34) = 4926277576697053184
FactC(35) = 6399018521010896896 FactA(35) = 6399018521010896896
FactC(36) = 9003737871877668864 FactA(36) = 9003737871877668864
FactC(37) = 1096907932701818880 FactA(37) = 1096907932701818880
FactC(38) = 4789013295250014208 FactA(38) = 4789013295250014208
FactC(39) = 2304077777655037952 FactA(39) = 2304077777655037952
FactC(40) = -70609262346240000 FactA(40) = -70609262346240000
FactC(41) = -2894979756195840000 FactA(41) = -2894979756195840000
FactC(42) = 7538058755741581312 FactA(42) = 7538058755741581312
FactC(43) = -7904866829883932672 FactA(43) = -7904866829883932672
FactC(44) = 2673996885588443136 FactA(44) = 2673996885588443136
FactC(45) = -8797348664486920192 FactA(45) = -8797348664486920192
FactC(46) = 1150331055211806720 FactA(46) = 1150331055211806720
FactC(47) = -1274672626173739008 FactA(47) = -1274672626173739008
FactC(48) = -5844053835210817536 FactA(48) = -5844053835210817536

FactC(49) = 8789267254022766592 FactA(49) = 8789267254022766592
FactC(50) = -3258495067890909184 FactA(50) = -3258495067890909184

2.

marcin@Inspiron-5570:~/Pulpit/PMiM/Lab 10$ gcc -o lab_9b lab_9b.c lab_9b_asm.s
marcin@Inspiron-5570:~/Pulpit/PMiM/Lab 10$ ./lab_9b
FibC(0) = 0 FibA(0) = 0
FibC(1) = 1 FibA(1) = 1
FibC(2) = 1 FibA(2) = 1
FibC(3) = 2 FibA(3) = 2
FibC(4) = 3 FibA(4) = 3
FibC(5) = 5 FibA(5) = 5
FibC(6) = 8 FibA(6) = 8
FibC(7) = 13 FibA(7) = 13
FibC(8) = 21 FibA(8) = 21
FibC(9) = 34 FibA(9) = 34
FibC(10) = 55 FibA(10) = 55
FibC(11) = 89 FibA(11) = 89
FibC(12) = 144 FibA(12) = 144
FibC(13) = 233 FibA(13) = 233
FibC(14) = 377 FibA(14) = 377
FibC(15) = 610 FibA(15) = 610
FibC(16) = 987 FibA(16) = 987
FibC(17) = 1597 FibA(17) = 1597
FibC(18) = 2584 FibA(18) = 2584
FibC(19) = 4181 FibA(19) = 4181
FibC(20) = 6765 FibA(20) = 6765
FibC(21) = 10946 FibA(21) = 10946
FibC(22) = 17711 FibA(22) = 17711
FibC(23) = 28657 FibA(23) = 28657
FibC(24) = 46368 FibA(24) = 46368
FibC(25) = 75025 FibA(25) = 75025
FibC(26) = 121393 FibA(26) = 121393
FibC(27) = 196418 FibA(27) = 196418
FibC(28) = 317811 FibA(28) = 317811
FibC(29) = 514229 FibA(29) = 514229
FibC(30) = 832040 FibA(30) = 832040
FibC(31) = 1346269 FibA(31) = 1346269
FibC(32) = 2178309 FibA(32) = 2178309
FibC(33) = 3524578 FibA(33) = 3524578
FibC(34) = 5702887 FibA(34) = 5702887
FibC(35) = 9227465 FibA(35) = 9227465
FibC(36) = 14930352 FibA(36) = 14930352
FibC(37) = 24157817 FibA(37) = 24157817

FibC(38) = 39088169 FibA(38) = 39088169
FibC(39) = 63245986 FibA(39) = 63245986
FibC(40) = 102334155 FibA(40) = 102334155
FibC(41) = 165580141 FibA(41) = 165580141
FibC(42) = 267914296 FibA(42) = 267914296
FibC(43) = 433494437 FibA(43) = 433494437
FibC(44) = 701408733 FibA(44) = 701408733
FibC(45) = 1134903170 FibA(45) = 1134903170
FibC(46) = 1836311903 FibA(46) = 1836311903
FibC(47) = 2971215073 FibA(47) = 2971215073
FibC(48) = 4807526976 FibA(48) = 4807526976
FibC(49) = 7778742049 FibA(49) = 7778742049
FibC(50) = 12586269025 FibA(50) = 12586269025