Laboratorium

9

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30 maja 2020

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dominik@mimik: ~/Projects/pmim
                                                                            File Edit View Search Terminal Help
dominik@mimik:~/Projects/pmim$ nano tmp.txt
dominik@mimik:~/Projects/pmim$ gcc -o lab 9a lab 9a.c lab 9a asm.s
dominik@mimik:~/Projects/pmim$ ./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
dominik@mimik:~/Projects/pmim$
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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 FibC(51) = 20365011074 FibA(51) = 20365011074 FibC(52) = 32951280099 FibA(52) = 32951280099

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dominik@mimik:~/Projects/pmim$ gcc -o lab_9b lab_9b.c lab_9b_asm.s
dominik@mimik:~/Projects/pmim$ ./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
FibC(51) = 20365011074 FibA(51) = 20365011074
FibC(52) = 32951280099 FibA(52) = 32951280099
FibC(53) = 53316291173 FibA(53) = 53316291173
FibC(54) = 86267571272 FibA(54) = 86267571272
FibC(55) = 139583862445 FibA(55) = 139583862445
FibC(56) = 225851433717 FibA(56) = 225851433717
FibC(57) = 365435296162 FibA(57) = 365435296162
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FibC(58) = 591286729879 FibA(58) = 591286729879
FibC(59) = 956722026041 FibA(59) = 956722026041
FibC(60) = 1548008755920 FibA(60) = 1548008755920
FibC(61) = 2504730781961 FibA(61) = 2504730781961
FibC(62) = 4052739537881 FibA(62) = 4052739537881
FibC(63) = 6557470319842 FibA(63) = 6557470319842
FibC(64) = 10610209857723 FibA(64) = 10610209857723
FibC(65) = 17167680177565 FibA(65) = 17167680177565
FibC(66) = 27777890035288 FibA(66) = 27777890035288
FibC(67) = 44945570212853 FibA(67) = 44945570212853
FibC(68) = 72723460248141 FibA(68) = 72723460248141
FibC(69) = 117669030460994 FibA(69) = 117669030460994
FibC(70) = 190392490709135 FibA(70) = 190392490709135
FibC(71) = 308061521170129 FibA(71) = 308061521170129
FibC(72) = 498454011879264 FibA(72) = 498454011879264
FibC(73) = 806515533049393 FibA(73) = 806515533049393
FibC(74) = 1304969544928657 FibA(74) = 1304969544928657
FibC(75) = 2111485077978050 FibA(75) = 2111485077978050
FibC(76) = 3416454622906707 \ FibA(76) = 3416454622906707
FibC(77) = 5527939700884757 FibA(77) = 5527939700884757
FibC(78) = 8944394323791464 FibA(78) = 8944394323791464
FibC(79) = 14472334024676221 \ FibA(79) = 14472334024676221
FibC(80) = 23416728348467685 FibA(80) = 23416728348467685
FibC(81) = 37889062373143906 FibA(81) = 37889062373143906
FibC(82) = 61305790721611591 FibA(82) = 61305790721611591
FibC(83) = 99194853094755497 FibA(83) = 99194853094755497
FibC(84) = 160500643816367088 FibA(84) = 160500643816367088
FibC(85) = 259695496911122585 FibA(85) = 259695496911122585
FibC(86) = 420196140727489673 FibA(86) = 420196140727489673
FibC(87) = 679891637638612258 FibA(87) = 679891637638612258
FibC(88) = 1100087778366101931 FibA(88) = 1100087778366101931
FibC(89) = 1779979416004714189 FibA(89) = 1779979416004714189
FibC(90) = 2880067194370816120 \ FibA(90) = 2880067194370816120
FibC(91) = 4660046610375530309 FibA(91) = 4660046610375530309
FibC(92) = 7540113804746346429 FibA(92) = 7540113804746346429
FibC(93) = -6246583658587674878 FibA(93) = -6246583658587674878
FibC(94) = 1293530146158671551 FibA(94) = 1293530146158671551
FibC(95) = -4953053512429003327 \ FibA(95) = -4953053512429003327
FibC(96) = -3659523366270331776 FibA(96) = -3659523366270331776
FibC(97) = -8612576878699335103 FibA(97) = -8612576878699335103
FibC(98) = 6174643828739884737 FibA(98) = 6174643828739884737
FibC(99) = -2437933049959450366 FibA(99) = -2437933049959450366
FibC(100) = 3736710778780434371 FibA(100) = 3736710778780434371
dominik@mimik:~/Projects/pmim$
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dominik@mimik: ~/Projects/pmim
                                                                            File Edit View Search Terminal Help
dominik@mimik:~/Projects/pmim$ gcc -no-pie -o lab 9c
                                                       lab 9c.s
dominik@mimik:~/Projects/pmim$ ./lab 9c Ola ma psa
Argc = 4
Argv[0] = ./lab_9c
Argv[1] = Ola
Argv[2] = ma
Argv[3] = psa
Env[0] = CLUTTER IM MODULE=xim
Env[1] = LS COLORS=rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40
;33;01:cd=40;33;01:or=40;31;01:mi=00:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=34;4
2:st=37;44:ex=01;32:*.tar=01;31:*.tgz=01;31:*.arc=01;31:*.arj=01;31:*.taz=01;31:
*.lha=01;31:*.lz4=01;31:*.lzh=01;31:*.lzma=01;31:*.tlz=01;31:*.txz=01;31:*.tzo=0
1;31:*.t7z=01;31:*.zip=01;31:*.z=01;31:*.Z=01;31:*.dz=01;31:*.gz=01;31:*.lrz=01;
31:*.lz=01;31:*.lzo=01;31:*.xz=01;31:*.zst=01;31:*.tzst=01;31:*.bz2=01;31:*.bz=0
1;31:*.tbz=01;31:*.tbz2=01;31:*.tz=01;31:*.deb=01;31:*.rpm=01;31:*.jar=01;31:*.w
ar=01;31:*.ear=01;31:*.sar=01;31:*.rar=01;31:*.alz=01;31:*.ace=01;31:*.zoo=01;31
:*.cpio=01;31:*.7z=01;31:*.rz=01;31:*.cab=01;31:*.wim=01;31:*.swm=01;31:*.dwm=01
;31:*.esd=01;31:*.jpg=01;35:*.jpeg=01;35:*.mjpg=01;35:*.mjpeg=01;35:*.gif=01;35:
*.bmp=01;35:*.pbm=01;35:*.pgm=01;35:*.ppm=01;35:*.tga=01;35:*.xbm=01;35:*.xpm=01
;35:*.tif=01;35:*.tiff=01;35:*.png=01;35:*.svg=01;35:*.svgz=01;35:*.mng=01;35:*.
pcx=01;35:*.mov=01;35:*.mpg=01;35:*.mpeg=01;35:*.m2v=01;35:*.mkv=01;35:*.webm=01
;35:*.ogm=01;35:*.mp4=01;35:*.m4v=01;35:*.mp4v=01;35:*.vob=01;35:*.qt=01;35:*.nu
v=01;35:*.wmv=01;35:*.asf=01;35:*.rm=01;35:*.rmvb=01;35:*.flc=01;35:*.avi=01;35:
*.fli=01;35:*.flv=01;35:*.gl=01;35:*.dl=01;35:*.xcf=01;35:*.xwd=01;35:*.yuv=01;3
5:*.cgm=01;35:*.emf=01;35:*.ogv=01;35:*.ogx=01;35:*.aac=00;36:*.au=00;36:*.flac=
00;36:*.m4a=00;36:*.mid=00;36:*.midi=00;36:*.mka=00;36:*.mp3=00;36:*.mpc=00;36:*
.ogg=00;36:*.ra=00;36:*.wav=00;36:*.oga=00;36:*.opus=00;36:*.spx=00;36:*.xspf=00
:36:
Env[2] = LC MEASUREMENT=en GB.UTF-8
Env[3] = LESSCLOSE=/usr/bin/lesspipe %s %s
Env[4] = LC_PAPER=en_GB.UTF-8
Env[5] = LC MONETARY=en GB.UTF-8
Env[6] = XDG MENU PREFIX=gnome-
Env[7] = LANG=en GB.UTF-8
Env[8] = DISPLAY=:0
Env[9] = GNOME SHELL SESSION MODE=ubuntu
Env[10] = COLORTERM=truecolor
Env[11] = USERNAME = dominik
Env[12] = XDG VTNR=2
Env[13] = SSH AUTH SOCK=/run/user/1000/keyring/ssh
Env[14] = LC NAME=en GB.UTF-8
Env[15] = XDG_SESSION_ID=2
Env[16] = USER=dominik
Env[17] = DESKTOP SESSION=ubuntu
Env[18] = QT4 IM MODULE=xim
Env[19] = TEXTDOMAINDIR=/usr/share/locale/
Env[20] = GNOME TERMINAL SCREEN=/org/gnome/Terminal/screen/615a036f d31d 4f72 93
49 2573b5d8c30b
Env[21] = PWD=/home/dominik/Projects/pmim
Env[22] = HOME = /home / dominik
Env[23] = TEXTDOMAIN=im-config
Env[24] = SSH\_AGENT\_PID=2810
Env[25] = QT_ACCESSIBILITY=1
```