obelix.gaul.csd.uwo.ca[15]% make all

gcc -std=c99 -Wall -c operation.c

gcc -std=c99 -Wall -c operation\_functions.c

gcc -std=c99 -Wall -o operation operation.o operation\_functions.o

obelix.gaul.csd.uwo.ca[16]% make test

operation 7 5 10 15

The first complex number is: 7.000000 + i(5.000000)

The second complex number is: 10.000000 + i(15.000000)

==========================Result===========================

The result of the multiplication of the two numbers is -5.000000 + i(155.000000)

The result of the division of the two numbers is 0.446154 + i(-0.169231)

The result of the sum of the two numbers is 17.000000 + i(20.000000)

The result of the difference of the two numbers is -3.000000 + i(-10.000000)

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

operation 0.57 0.9 3.5 9.12

The first complex number is: 0.570000 + i(0.900000)

The second complex number is: 3.500000 + i(9.120000)

==========================Result===========================

The result of the multiplication of the two numbers is -6.213000 + i(8.348400)

The result of the division of the two numbers is 0.106922 + i(-0.021466)

The result of the sum of the two numbers is 4.070000 + i(10.020000)

The result of the difference of the two numbers is -2.930000 + i(-8.220000)

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

operation 0 -9 0 -3

The first complex number is: 0.000000 + i(-9.000000)

The second complex number is: 0.000000 + i(-3.000000)

==========================Result===========================

The result of the multiplication of the two numbers is -27.000000 + i(-0.000000)

The result of the division of the two numbers is 3.000000 + i(0.000000)

The result of the sum of the two numbers is 0.000000 + i(-12.000000)

The result of the difference of the two numbers is 0.000000 + i(-6.000000)

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

operation 0.467 13 0 -4

The first complex number is: 0.467000 + i(13.000000)

The second complex number is: 0.000000 + i(-4.000000)

==========================Result===========================

The result of the multiplication of the two numbers is 52.000000 + i(-1.868000)

The result of the division of the two numbers is -3.250000 + i(0.116750)

The result of the sum of the two numbers is 0.467000 + i(9.000000)

The result of the difference of the two numbers is 0.467000 + i(17.000000)

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

operation 0 8 9 15

The first complex number is: 0.000000 + i(8.000000)

The second complex number is: 9.000000 + i(15.000000)

==========================Result===========================

The result of the multiplication of the two numbers is -120.000000 + i(72.000000)

The result of the division of the two numbers is 0.392157 + i(0.235294)

The result of the sum of the two numbers is 9.000000 + i(23.000000)

The result of the difference of the two numbers is -9.000000 + i(-7.000000)

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

operation 0 0 15 30

The first complex number is: 0.000000 + i(0.000000)

The second complex number is: 15.000000 + i(30.000000)

==========================Result===========================

The result of the multiplication of the two numbers is 0.000000 + i(0.000000)

The result of the division of the two numbers is 0.000000 + i(0.000000)

The result of the sum of the two numbers is 15.000000 + i(30.000000)

The result of the difference of the two numbers is -15.000000 + i(-30.000000)

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

operation 12 0 0 0

The first complex number is: 12.000000 + i(0.000000)

The second complex number is: 0.000000 + i(0.000000)

==========================Result===========================

The result of the multiplication of the two numbers is 0.000000 + i(0.000000)

The result of the division of the two numbers is 0.000000 + i(0.000000)

The result of the sum of the two numbers is 12.000000 + i(0.000000)

The result of the difference of the two numbers is 12.000000 + i(0.000000)