

Laboratorium

10

Dominik Bober 303099

30 maja 2020

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dominik@mimik: ~/Projects/pmim
File Edit View Search Terminal Help
dominik@mimik:~/Projects/pmim$ gcc -no-pie -lm -o lab_10a lab_10a.s
dominik@mimik:~/Projects/pmim$ ./lab_10a
Square root of 1.000000 = 1.00000000000000000000
Square root of 1.000000 = 1.00000000000000000000
Square root of 1.000000 = 1.00000000000000000000
iterations = 1
Square root of 2.000000 = 1.41421356237309514547
Square root of 2.000000 = 1.41421356237309514547
Square root of 2.000000 = 1.41421356237309514547
iterations = 6
Square root of 3.000000 = 1.73205080756887719318
Square root of 3.000000 = 1.73205080756887719318
Square root of 3.000000 = 1.73205080756887719318
iterations = 7
Square root of 4.000000 = 2.00000000000000000000
Square root of 4.000000 = 2.00000000000000000000
Square root of 4.000000 = 2.00000000000000000000
iterations = 7
Square root of 5.000000 = 2.23606797749978980505
Square root of 5.000000 = 2.23606797749978980505
Square root of 5.000000 = 2.23606797749978980505
iterations = 7
Square root of 6.000000 = 2.44948974278317788134
Square root of 6.000000 = 2.44948974278317788134
Square root of 6.000000 = 2.44948974278317788134
iterations = 7
Square root of 7.000000 = 2.64575131106459071617
Square root of 7.000000 = 2.64575131106459071617
Square root of 7.000000 = 2.64575131106459071617
iterations = 7
Square root of 8.000000 = 2.82842712474619029095
Square root of 8.000000 = 2.82842712474619029095
Square root of 8.000000 = 2.82842712474619029095
iterations = 7
Square root of 9.000000 = 3.00000000000000000000
Square root of 9.000000 = 3.00000000000000000000
Square root of 9.000000 = 3.00000000000000000000
iterations = 8
Square root of 10.000000 = 3.16227766016837952279
Square root of 10.000000 = 3.16227766016837952279
Square root of 10.000000 = 3.16227766016837952279
iterations = 8
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 -lm -o lab_10b lab_10b.c lab_10b.s
dominik@mimik:~/Projects/pmim$ ./lab_10b
A: Square root of 1.000000 = 1.00000000000000000000
B: Square root of 1.000000 = 1.00000000000000000000
C: Square root of 1.000000 = 1.00000000000000000000
A: Square root of 2.000000 = 1.41421356237309514547
B: Square root of 2.000000 = 1.41421356237309514547
C: Square root of 2.000000 = 1.41421356237309514547
A: Square root of 3.000000 = 1.73205080756887719318
B: Square root of 3.000000 = 1.73205080756887719318
C: Square root of 3.000000 = 1.73205080756887719318
A: Square root of 4.000000 = 2.00000000000000000000
B: Square root of 4.000000 = 2.00000000000000000000
C: Square root of 4.000000 = 2.00000000000000000000
A: Square root of 5.000000 = 2.23606797749978980505
B: Square root of 5.000000 = 2.23606797749978980505
C: Square root of 5.000000 = 2.23606797749978980505
A: Square root of 6.000000 = 2.44948974278317788134
B: Square root of 6.000000 = 2.44948974278317788134
C: Square root of 6.000000 = 2.44948974278317788134
A: Square root of 7.000000 = 2.64575131106459071617
B: Square root of 7.000000 = 2.64575131106459071617
C: Square root of 7.000000 = 2.64575131106459071617
A: Square root of 8.000000 = 2.82842712474619029095
B: Square root of 8.000000 = 2.82842712474619029095
C: Square root of 8.000000 = 2.82842712474619029095
A: Square root of 9.000000 = 3.00000000000000000000
B: Square root of 9.000000 = 3.00000000000000000000
C: Square root of 9.000000 = 3.00000000000000000000
A: Square root of 10.000000 = 3.16227766016837952279
B: Square root of 10.000000 = 3.16227766016837952279
C: Square root of 10.000000 = 3.16227766016837952279
dominik@mimik:~/Projects/pmim$ _
```

```
dominik@mimik: ~/Projects/pmim
File Edit View Search Terminal Help
dominik@mimik:~/Projects/pmim$ gcc -no-pie -lm -o lab_10c lab_10c.s
dominik@mimik:~/Projects/pmim$ ./lab_10c
Coefficients of equation:
A = 1.000000 B = -1.000000 C = -2.000000
Delta = 9.000000
Two roots
Roots of equation:
X1 = -1.000000 X2 = 2.000000
dominik@mimik:~/Projects/pmim$ gcc -no-pie -lm -o lab_10c lab_10c.s
dominik@mimik:~/Projects/pmim$ ./lab_10c
Coefficients of equation:
A = 1.000000 B = 1.000000 C = 2.000000
Delta = -7.000000
No real roots
dominik@mimik:~/Projects/pmim$ gcc -no-pie -lm -o lab_10c lab_10c.s
dominik@mimik:~/Projects/pmim$ ./lab_10c
Coefficients of equation:
A = 1.000000 B = 2.000000 C = -1.000000
Delta = 8.000000
Two roots
Roots of equation:
X1 = -2.414214 X2 = 0.414214
dominik@mimik:~/Projects/pmim$ _
```