

minver	Inversion of floating point matrix.	Floating value calculations in 3x3 matrix. Nested loops (3 levels).	✓	✓	✓	✓	✓	5805	201
ndes*	Complex embedded code.	A lot of bit manipulation, shifts, array and matrix calculations.	✓		✓	✓		7345	231
ns*	Search in a multi-dimensional array.	Return from the middle of a loop nest, deep loop nesting (4 levels).	✓	✓	✓			10436	535
nsichneu*	Simulate an extended Petri Net.	Automatically generated code containing large amounts of if-statements (more than 250).	✓					118351	4253
prime	Calculates whether numbers are prime.	Uses integer division and modulo function.	✓	✓				797	47
qsort-exam	Non-recursive version of quick sort algorithm.	The program sorts 20 floating point numbers in an array. Loop nesting of 3 levels.	✓	✓	✓		✓	4535	121
qurt	Root computation of quadratic equations.	The real and imaginary parts of the solution are stored in arrays.	✓	✓		✓	✓	4898	166
recursion*	A simple example of recursive code.	Both self-recursion and mutual recursion are used.	✓				✓	620	41
select	A function to select the Nth largest number in a floating point array.	A lot of floating value array calculations, loop nesting (3 levels).		✓	✓	✓	✓	4494	114
sqrt	Square root function implemented by Taylor series.	Simple numerical calculation.	✓	✓			✓	3567	77
st	Statistics program.	This program computes for two arrays of numbers the sum, the mean, the variance, and standard deviation, and the correlation coefficient between the two arrays.	✓	✓		✓	✓	3857	177
statemate*	Automatically generated code.	Generated by the STAtchart Real-time-Code generator STARC.		✓				52618	1276
ud	Calculation of matrixes.	Loop nesting of 3 levels.	✓	✓	✓			6 K	163

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