

Complete the following table from runs of your program for each of 16 the cases (4 programs, 2 functions, and 2 starting points for each function); i.e., report the coordinates of the minimum point and the number of steps required to find the minimum point. Also send all source code to me via email.

Method	Function	Starting Point	$x_{min}$	$y_{min}$	$z_{min}$	# of steps
Alternating Variables	$f_1(x, y, z)$	(0,0,0)	2.50	1.00	-1.00	4
		(-1,1,-2)	2.50	1.00	-1.00	4
	$f_2(x, y, z)$	(0,0,0)	3.00	1.00	2.00	40
		(-1,1,-2)	3.00	1.00	2.00	40
Steepest Descent	$f_1(x, y, z)$	(0,0,0)	2.5	1.0	-1.0	47
		(-1,1,-2)	2.5	1.0	-1.0	47
	$f_2(x, y, z)$	(0,0,0)	3.00	1.00	2.00	22
		(-1,1,-2)	3.00	1.00	2.00	22
Conjugate Gradient	$f_1(x, y, z)$	(0,0,0)	2.5	1.00	-1.00	3
		(-1,1,-2)	2.5	1.00	-1.00	3
	$f_2(x, y, z)$	(0,0,0)	3.00	1.00	2.00	14
		(-1,1,-2)	3.00	1.00	2.00	14
Secant Conjugate Gradient	$f_1(x, y, z)$	(0,0,0)	2.50	1.00	-1.00	3
		(-1,1,-2)	2.50	1.00	-1.00	3
	$f_2(x, y, z)$	(0,0,0)	3.00	1.00	2.00	13
		(-1,1,-2)	3.00	1.00	2.00	13

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