

EXAMPLE PROBLEM 7.1

Initial Guess $y(0) = 2.11$

$y(i)$	$f(y)$	$f'(y)$	$f(y)/f'(y)$	$y(i+1)$
2.1100	-1.3129	-11.2132	0.11708	1.9929
1.9929	0.0067	-11.3290	-0.00059	1.9935
1.9935	0.0000	-11.3284	0.00000	1.9935
1.9935	0.0000	-11.3284	0.00000	1.9935
1.9935	0.0000	-11.3284	0.00000	1.9935

Initial Guess $y(0) = 15$

$y(i)$	$f(y)$	$f'(y)$	$f(y)/f'(y)$	$y(i+1)$
15.0000	-116.7976	-7.9115	14.76307	0.2369
0.2369	22.7544	-16.6799	-1.36418	1.6011
1.6011	4.5309	-11.7846	-0.38448	1.9856
1.9856	0.0898	-11.3365	-0.00792	1.9935
1.9935	0.0000	-11.3284	0.00000	1.9935

Initial Guess $y(0) = 18$

$y(i)$	$f(y)$	$f'(y)$	$f(y)/f'(y)$	$y(i+1)$
18.0000	-140.1451	-7.6625	18.28966	-0.2897
-0.2897	#NUM!	#NUM!	#NUM!	#NUM!
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