

i	x_i	$f(x_i)$	M	$M*f(x_i)$
0	0	1	1	1
1	0.155	1.012133937	4	4.048535746
2	0.31	1.050052242	2	2.100104484
3	0.465	1.118791533	4	4.475166134
4	0.62	1.228684691	2	2.457369382
5	0.775	1.399734823	4	5.598939294
6	0.93	1.672705182	2	3.345410364
7	1.085	2.141727984	4	8.566911938
8	1.24	3.078852955	2	6.157705909
9	1.395	5.717806366	4	22.87122546
10	1.55	48.08888102	1	48.08888102
		Sum($Mf(x_i)$)		108.7102497

$$\int_0^{1.55} \sec(x) dx \approx 5.616696236$$