

Solution 22.7

Here is the Romberg tableau for this problem.

	1	2	3
<i>n</i>	$\epsilon_a \rightarrow$	5.5616%	0.0188%
1	224.36568786	288.56033084	289.43080513
2	272.51167009	289.37640049	
4	285.16021789		

Therefore, the estimate is 289.430805.