

Problem 1 (10 points): [GH 2.3.7] Suppose a hypothetical state legislature is to have 79 members apportioned among the eight counties in Connecticut based on the 1990 census data shown in the table.

County	Fairfield	Hartford	Litchfield	Middlesex	New Haven	New London	Tolland	Windham
Population	827,645	851,783	174,092	143,196	804,219	254,957	128,699	102,525

Determine the apportionment given by the Hill-Huntington Method by completing the following table. Be sure to specify your final divisor; note that the natural divisor is approximately 41609.06.

Location	Population	Natural Quota	Rounding Cutoff	Initial Allocation	Modified Quota	Final Allocation
Fairfield	827,645	19.89				
Hartford	851,783	20.47				
Litchfield	174,092	4.18				
Middlesex	143,196	3.44				
New Haven	804,219	19.33				
New London	254,957	6.13				
Tolland	128,699	3.09				
Windham	102,525	2.46				
Total	3,287,116					