Galaxy Name	Halo Mass $[10^{12} M_{\odot}]$	Disk Mass $[10^{12} M_{\odot}]$	Bulge Mass $[10^{12} M_{\odot}]$	Total Mass $[10^{12} M_{\odot}]$	f_{bar}
MW	1.975	0.075	0.01	2.06	0.041
M31	1.921	0.12	0.019	2.06	0.067
M33	0.187	0.009	N/A	0.196	0.046

Total Mass of the Local Group $[10^{12} M_{\odot}]$: 4.316

 f_{bar} of the Local Group: 0.054

- 1. Total Mass of MW vs M31: Ratio of 1.0. Halo Mass dominates.
- 2. Stellar Mass of MW vs M31: Ratio of 0.612. As M31 contains more stellar mass, which is the only type of mass that directly contributes to the luminosity of a galaxy, we expect it to be more luminous.
- 3. Dark Matter Content of MW vs M31: Ratio of 1.0. Yes despite the stark difference in stellar matter, they have almost exactly the same dark matter content!
- 4. Baryonic Fraction f_{bar} for each galaxy is MW:0.041, M31:0.067, M33:0.046. Our baryonic fractions are universally lower than the provided value of 16%. MW:0.25625, M31:0.41875, M33:0.2875. This discrepancy might come down to [TODO!]