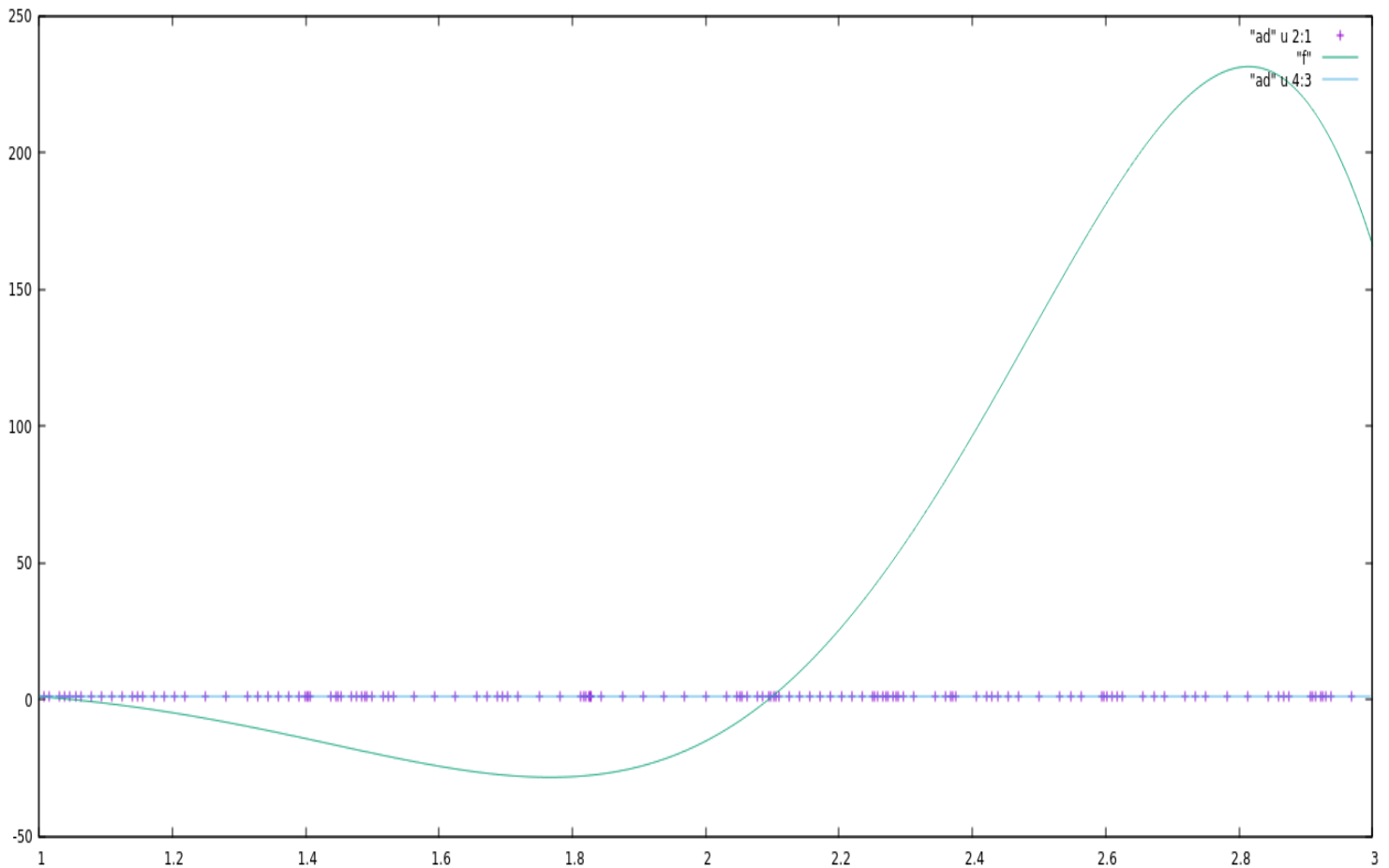Adaptive Quadrature :

This plot shows the region in each step taken by Adaptive quadrature method. The integration comes out to be equal to 108.555290.

Composite simpson method used a step size of 0.0256 for producing output 108.555260 with the same accuracy (1e-5).