

# The Quadratic Explosion Problem

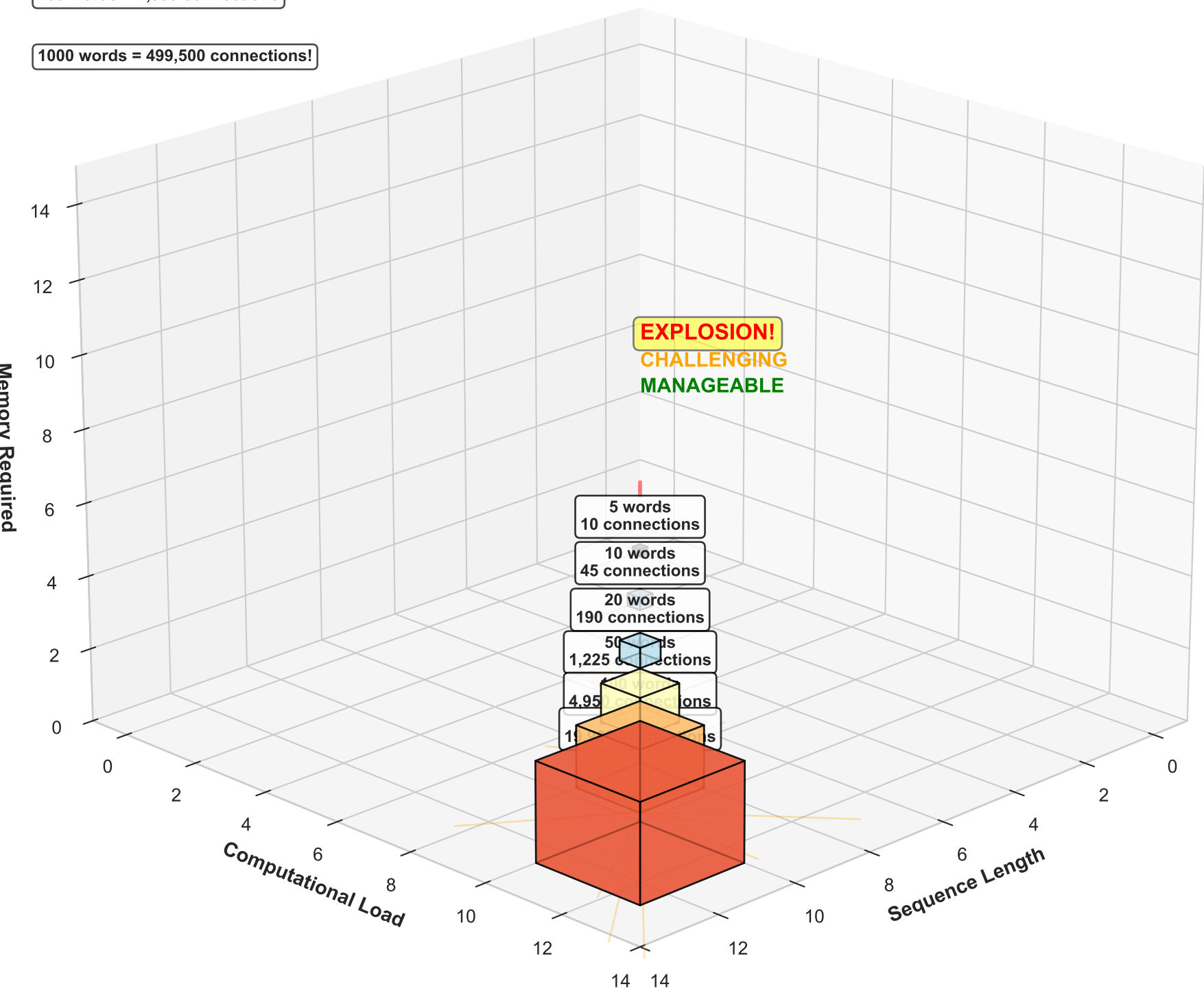
Connections =  $\frac{n(n-1)}{2}$

5 words = 10 connections

10 words = 45 connections

100 words = 4,950 connections

1000 words = 499,500 connections!



Each word must attend to every other word - complexity explodes!