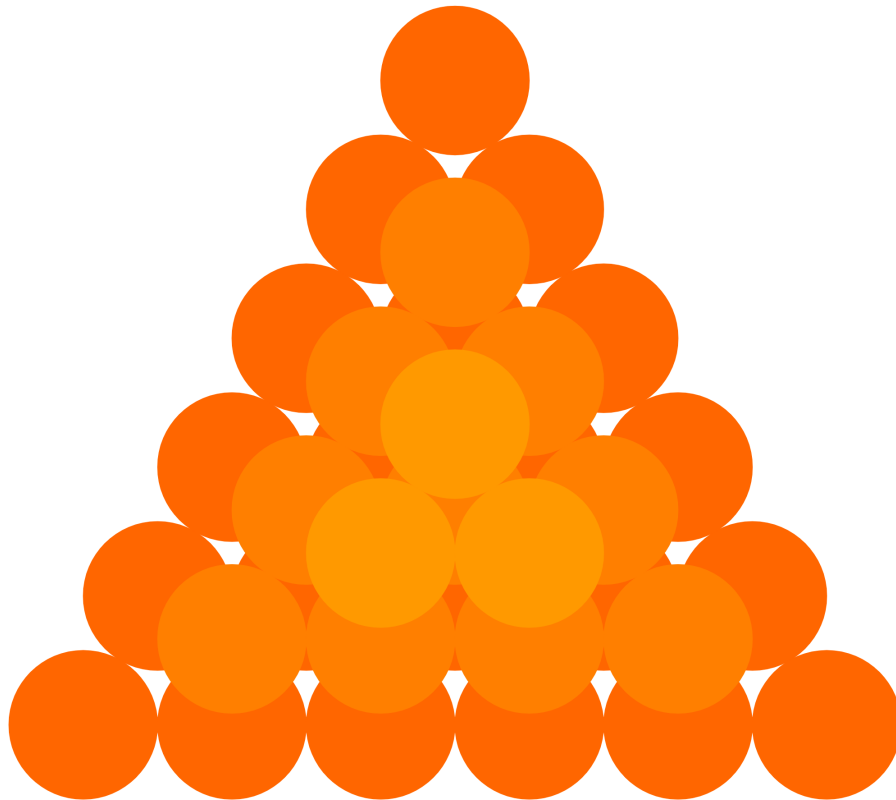# Orange Stack

Three layers of oranges (identical spheres) are laid down. The top and bottom layers are not aligned (their centers do not overlap in the 2D projection).

A central orange in the middle layer has many neighboring spheres surrounding it; connecting the centers of touching oranges' centers forms a polyhedron.

Problem. How many vertices, edges, and faces does said polyhedron have?