

Isolated
node



$q = 0$

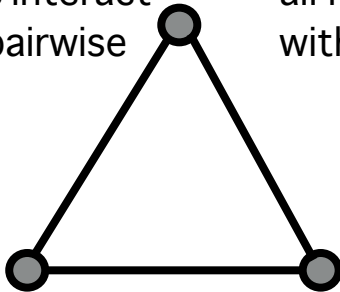
A graph
with two
nodes interacting
via a link



$q = 1$

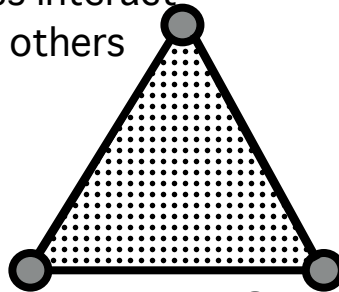
A graph:

nodes interact
only pairwise



A Simplex:

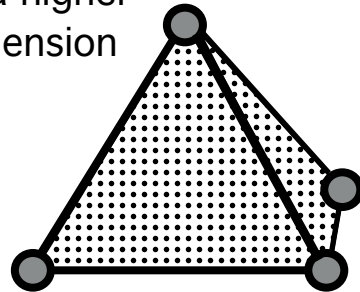
all nodes interact
with all others



$q = 2$

A Simplex:

at a higher
dimension



$q = 3$

Simplices of dimension ' q '