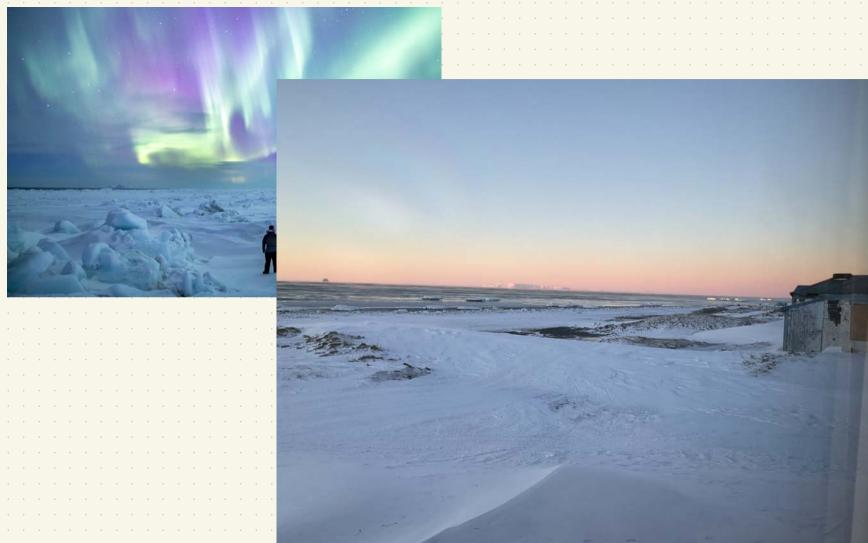
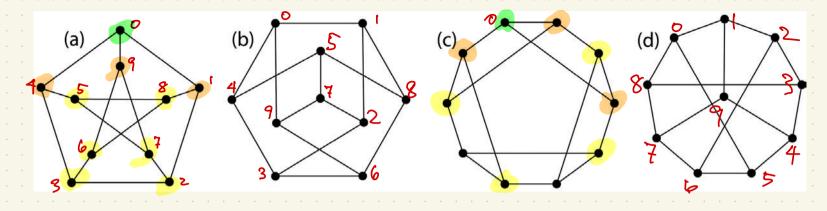


List all graphs	on 4 vertices:	313973811427612 3969560113225176
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Connected graphs All graphs #vertices 





of these four graphs, which one is not isomorphic to the others?

Graphs (a), (b) are isomorphic. Graph (c) is not isomorphic to (a) or (b) because graph (a) has diameter 2: any two vertices are at distance at most 2 apart. However, graph (c) has diameter 3.

(symmetry) Au automorphism of a graph is an isomorphism from the graph to itself.

An isomorphism from graph (a) to graph (d) if the map with table of values vertex | vertex | vertex | in (a) | in (d)

vertex vertex in d)