**14.15**

We know there are four cubes. Since no column contains two objects of same shape, no column contains two cubes in it. Therefore, each cube is in a different column, hence there are four different columns with one cube in it. Any column containing a cube contains a tetrahedron, therefore there is a tetrahedron in each of the four columns containing a cube.

Therefore there are at least four tetrahedra.

Suppose there is a tetrahedron in another column, not one of the four. Then it would have to contain a cube. But then we’d have five cubes, a contradiction.

Therefore, there are only four tetrahedra.x