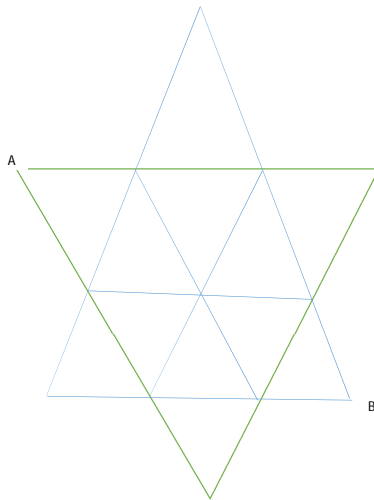# Problem of the Week-6: Star Trek

In the grid above (assume all the intersections match perfectly), how many paths are there from A to B? You may only travel to the right along horizontal edges, and downward along the slanted edges. Your answer must include a counting argument. Simply trying out all possibilities is not accepted.