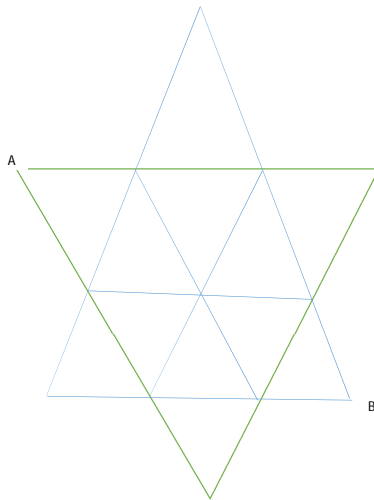


## Problem of the Week-6: Star Trek

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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.

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Posting Date 3/27/15. Submit solutions to Noah Aydin, Mathematics Department, RBH 319 (e-mail or hard-copy, but hard copy submissions must include a time stamp) by 5 pm on 4/10/15.