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THEOREM 7.15. Let $\mathcal{T} = \{ \text{[rectangle with 6 vertical dashed lines]}, \text{[cross shape]}, \text{[L-shaped polyomino]} \}$, where all orientations are allowed.

- (a) If \mathcal{T} tiles an $m \times n$ rectangle, then one of m or n is a multiple of 6.
 (b) A 2×3 rectangle has a signed tiling by \mathcal{T} .

THEOREM 7.16. Let $\mathcal{T} = \{ \text{[trapezoid with dashed lines]} \}$, where all orientations are allowed.

- (a) If \mathcal{T} tiles a triangle of side n , then n is a multiple of 8.
 (b) A triangle of side 4 has a signed tiling by \mathcal{T} .

REMARK 7.17. That \mathcal{T} tiles any triangle is quite interesting. Karl Scherer [15, 2.6 D] has found a tiling of a side 32 triangle by \mathcal{T} .

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