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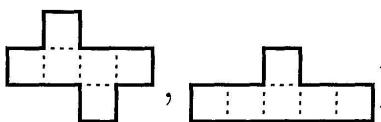
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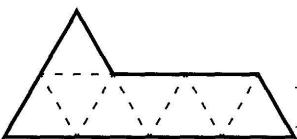
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THEOREM 7.15. Let  $\mathcal{T} = \{ \text{[L-shaped polyominoes]} \}$ , where all orientations are allowed.

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



THEOREM 7.16. Let  $\mathcal{T} = \{ \text{[Right-angled triangle divided into six smaller triangles]} \}$ , 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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