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*Tredoku Patterns*

Tredoku patterns are certain configurations of diamond-shaped tiles (more precisely, lozenges), inspired by a sudoku-like puzzle that appears in some newspapers such as The Times in the UK. (Take a moment to search the web for tredoku: these patterns can be very pretty!) They were introduced in two talks by Donald Preece in 2013, in which he conjectured the range of achievable parameters that tredoku patterns can take. This talk will sketch a proof of Donald's conjectures, taken from the following paper:

Simon R. Blackburn, 'Tredoku patterns', <https://arxiv.org/html/2407.10752v3>.