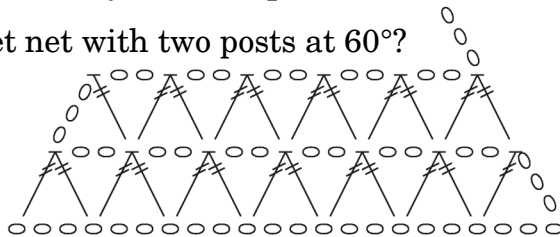


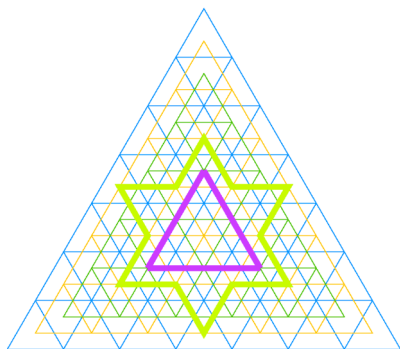
# Trying triangles

Snowflakes should really be six-spoked!

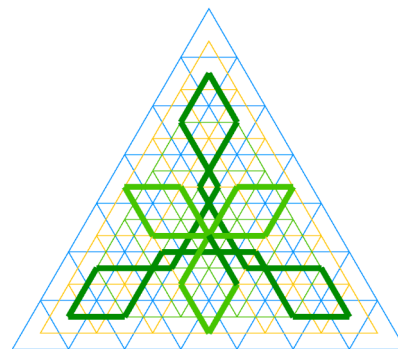
What if we had a filet net with two posts at 60°?  
Something like this?



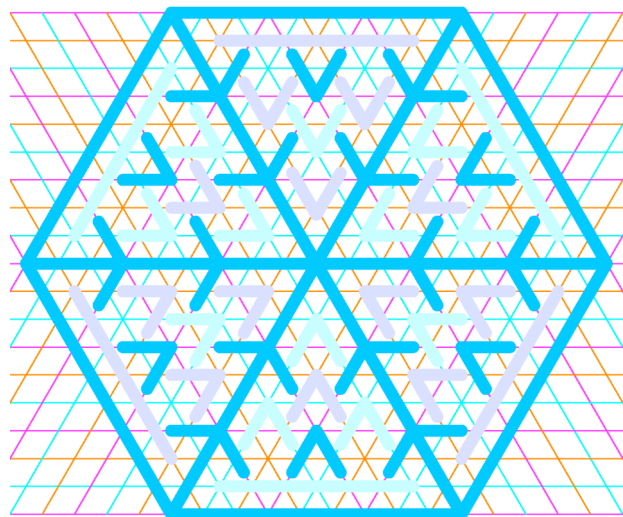
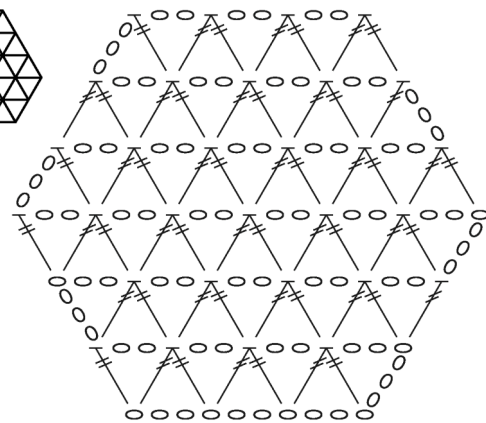
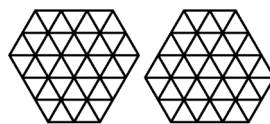
And a second net, with its corners in the middle of the upward-pointing triangles? And a third net with its corners in the middle of the downward-pointing triangles? (Which turns out to be in the middle of the upward-pointing triangles of the second net!) Let's try. Hmm! This was Michael's first effort ▶



Here's two that Nic made.  
(I have drawn in the two contrast layers and only indicated the background layer by the thin grid lines.)



Michael went back to thinking snowflakes. What about a hexagonal net (far right)? Two slimmer hexagons fit inside, but note that the order of colours from outside to centre is different in alternate segments, awkward for snowflake symmetry! M. therefore decided on one contrast colour and two similar background colours to give texture.



Now notice that each spoke crosses *two* intersections on its way to the next hub; it may go over one and under another – the Vs in this pattern are all half the length of a dtr.

There's another story. *Three* strands cross at each intersection, what is not on top can be behind or in the middle, so there is further scope for planning the back pattern. I'm working on it!