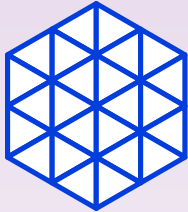


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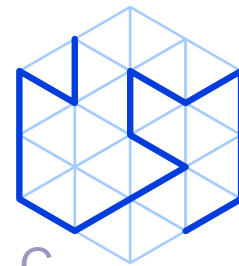
## Our Collection



A



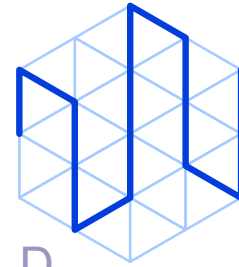
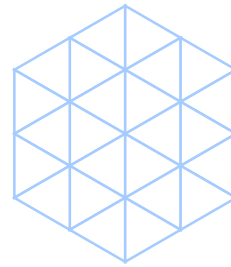
B



C



H



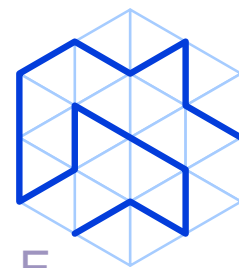
D



G



F



E

## Serpentine Lines

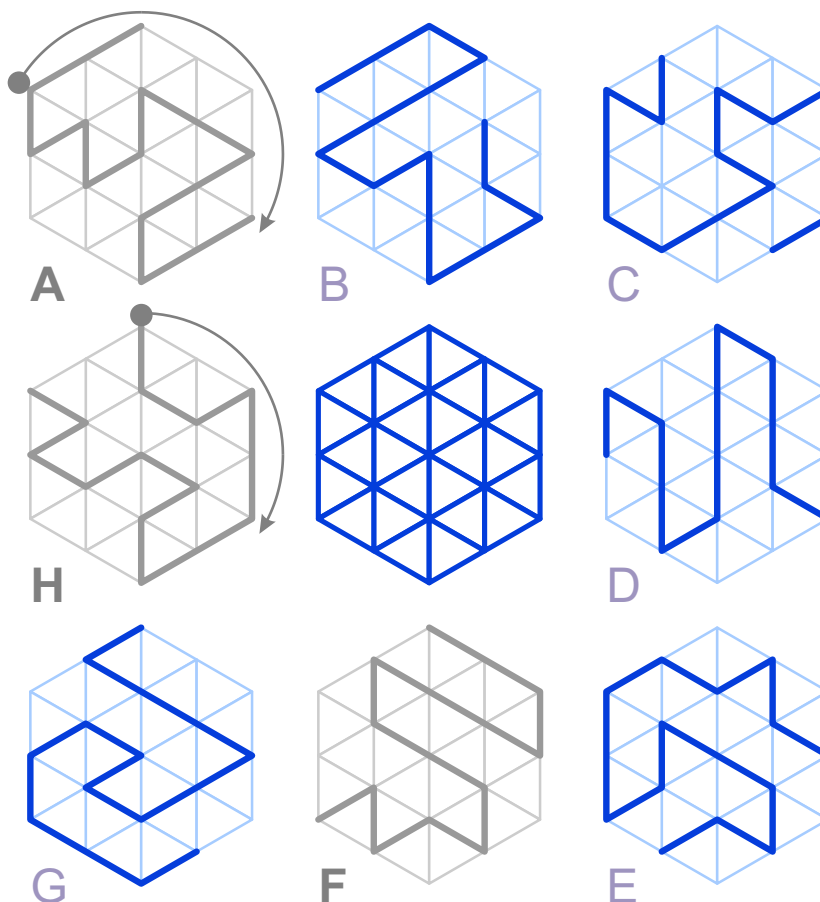
by Serhiy Grabarchuk

Which three (and only three!) serpentine lines out of the eight (A-H) shown on the left give you - when you stack them together - the full grid like that shown in the sample on the left?

You may rotate each serpentine line as you like, but you can't overturn (reflect) it.

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## Serpentine Lines (solution)

To make the full grid you need to stack together the three serpentine lines - A, F, and H; they are highlighted in gray. But in order to stack them up properly you have to rotate the line A on 180 degrees from its initial position, and the line H - on 120 degrees. In this case you don't have to rotate the line F. Now when you stack the three lines up you will get the full grid as shown in the center of the illustration above.

December 21, 2003

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