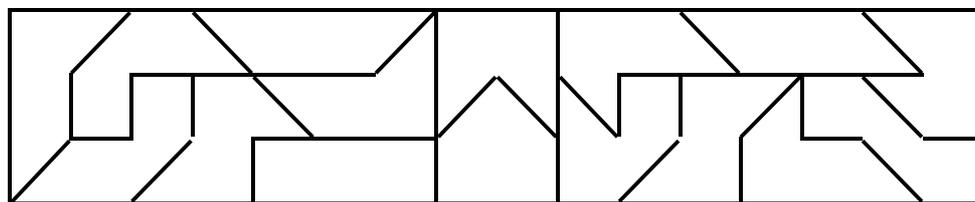


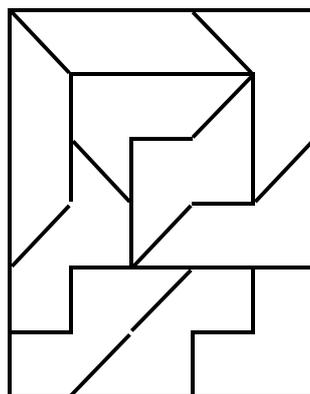
État des recherches en septembre 2019

Des rectangles en utilisant le plus possible de pièces

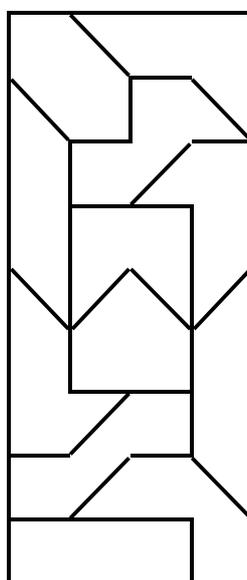
Rectangle 3x16 avec 16 pièces



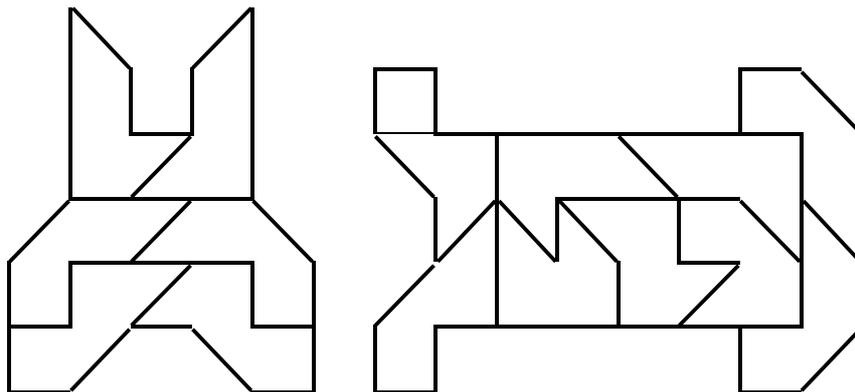
Rectangle 6x5 avec 10 pièces



Rectangle 9x4 avec 12 pièces

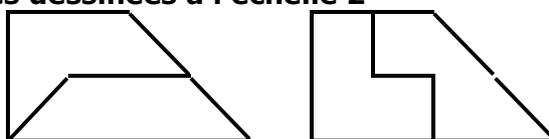


Des polygones symétriques obtenus avec des pièces non symétriques

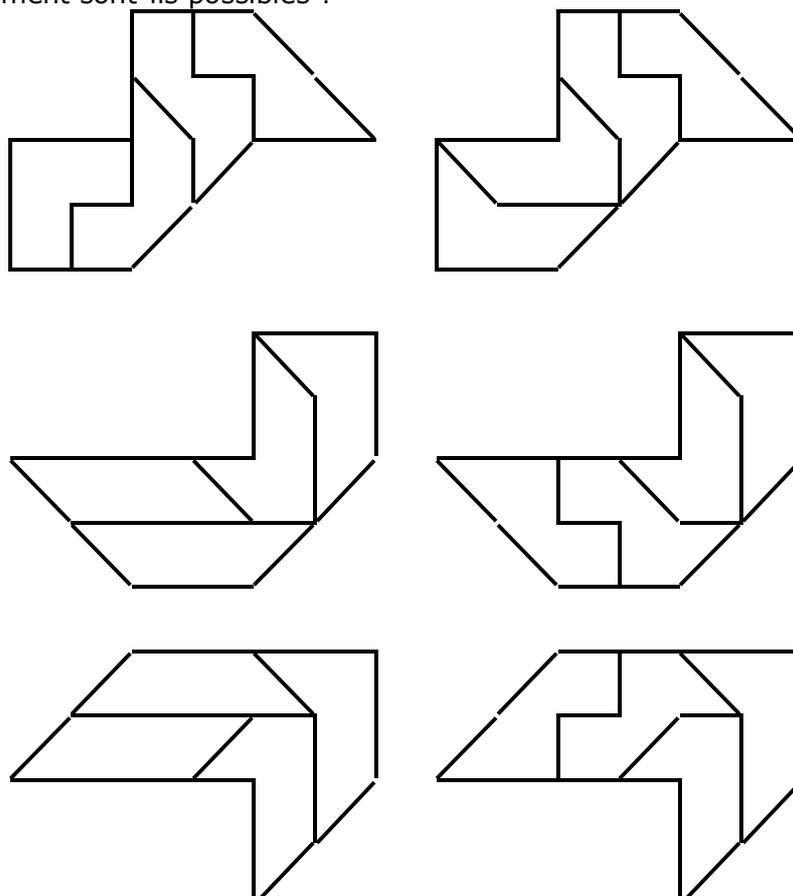


Des paires de pièces non symétriques permettant la réalisation d'un polygone symétrique ont été mises à contribution.

Recouvrement des pièces dessinées à l'échelle 2



Les assemblages de ces deux recouvrements de trapèzes m'assurent que chaque pièce dessinée à l'échelle 2 peut être recouverte par des pièces échelle 1. D'autres recouvrement sont-ils possibles ?

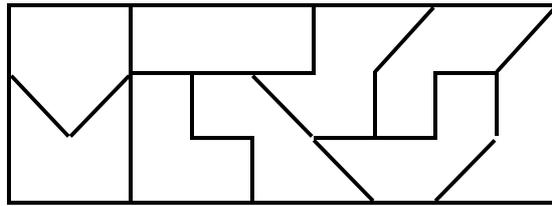


À droite, des pièces symétriques sont utilisées. À gauche, seule des pièces non symétriques sont utilisées.

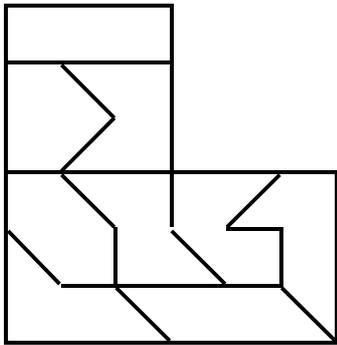
Existe-t-il d'autres dessins de pièces à l'échelle 2 pouvant être recouvertes de ces deux manières ?

Recouvrement des pièces dessinées à l'échelle 3

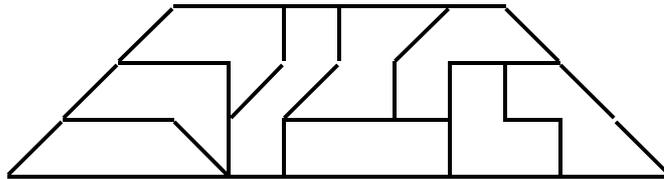
La recherche ne fait que commencer...



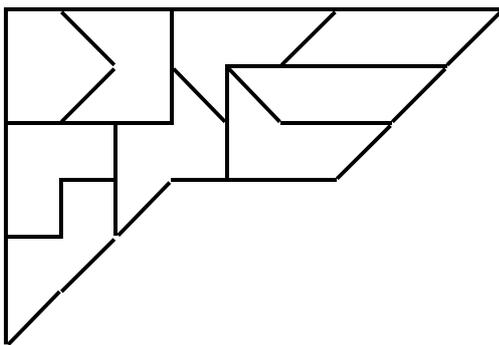
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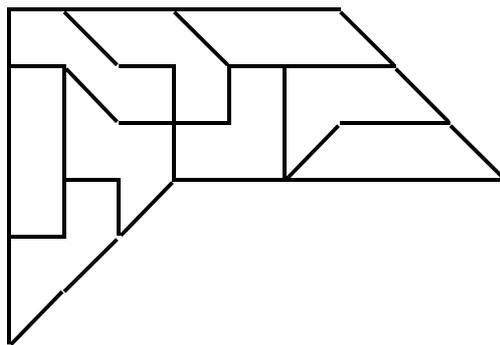
14



12

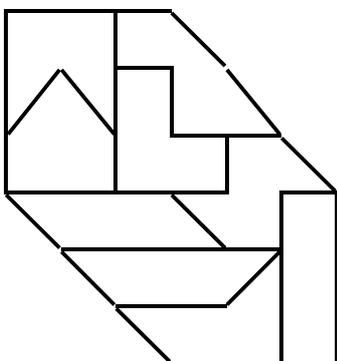


6

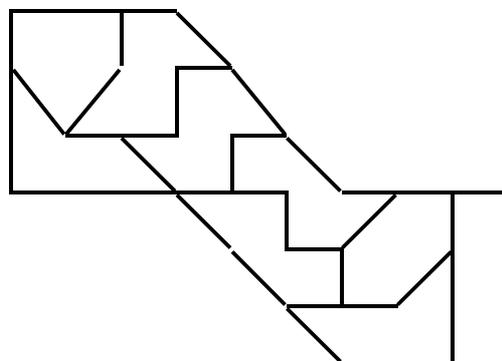


1

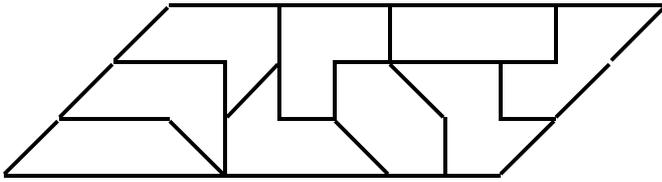
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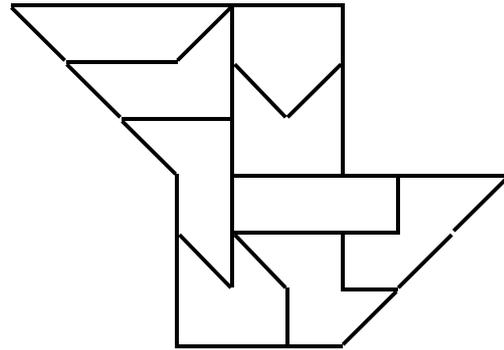
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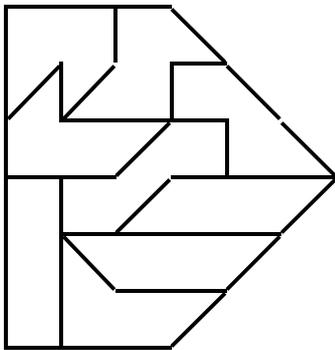
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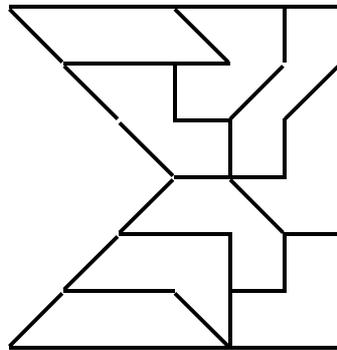
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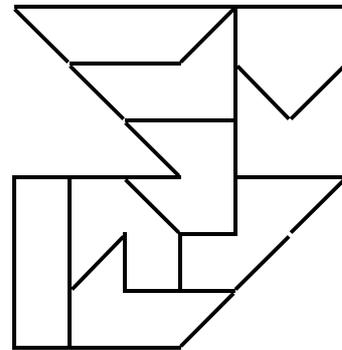
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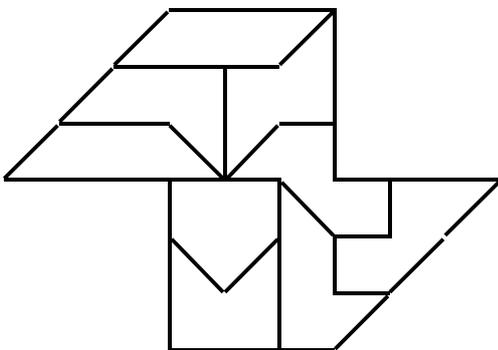
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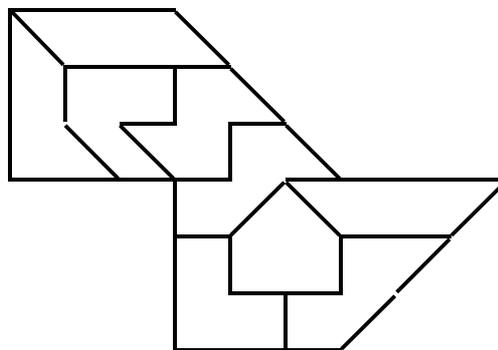
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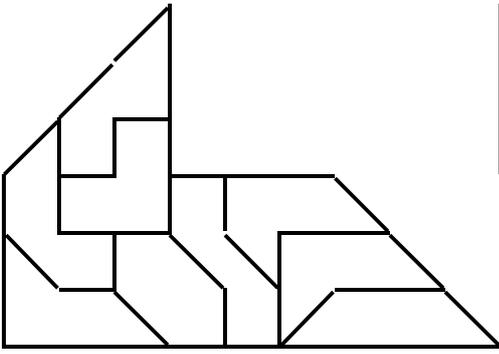
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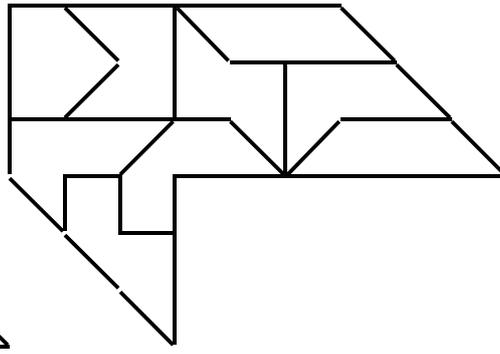
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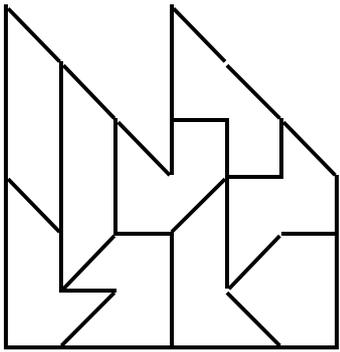
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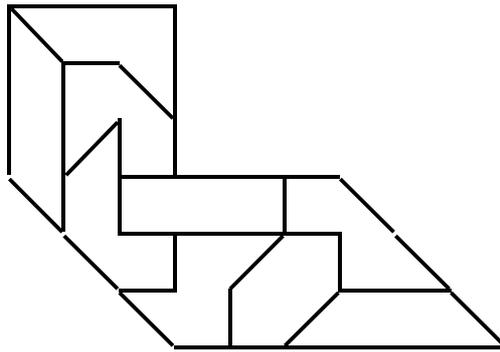
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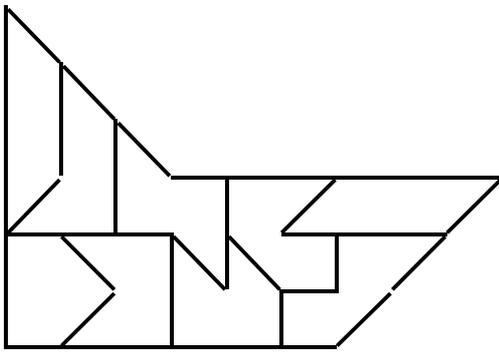
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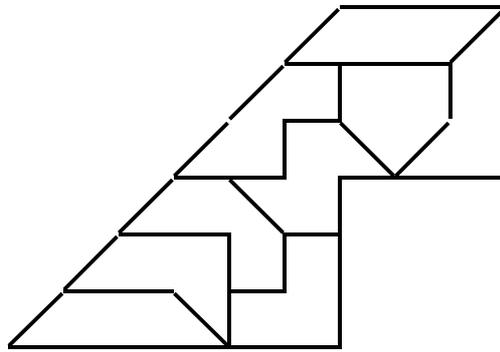
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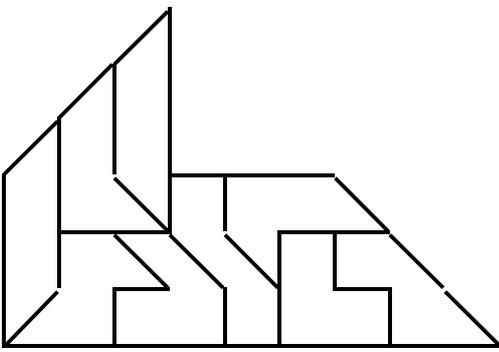
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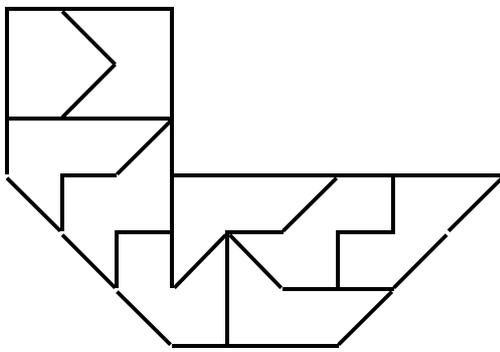
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11



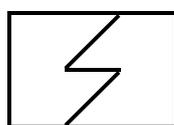
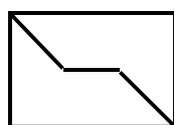
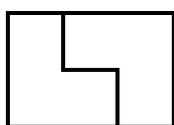
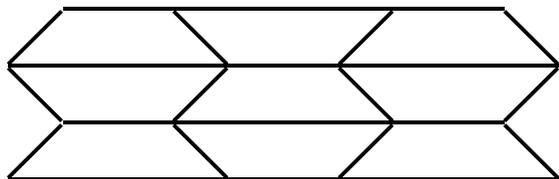
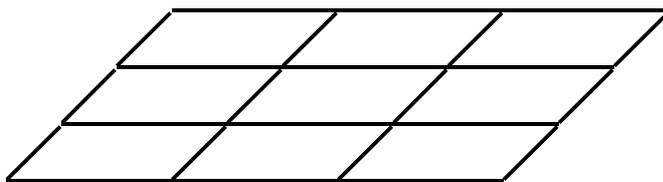
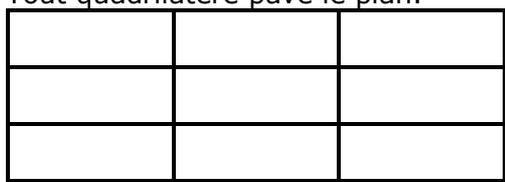
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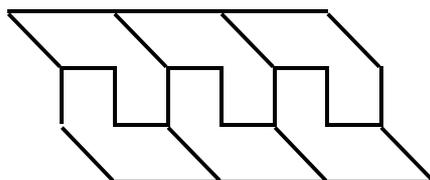
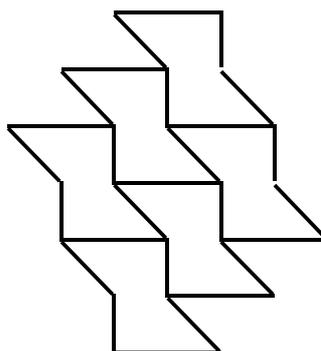
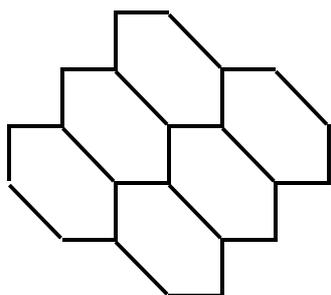
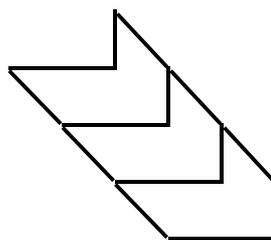
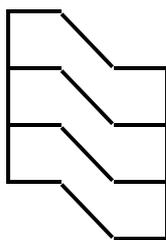
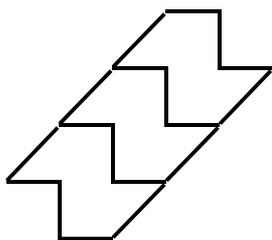
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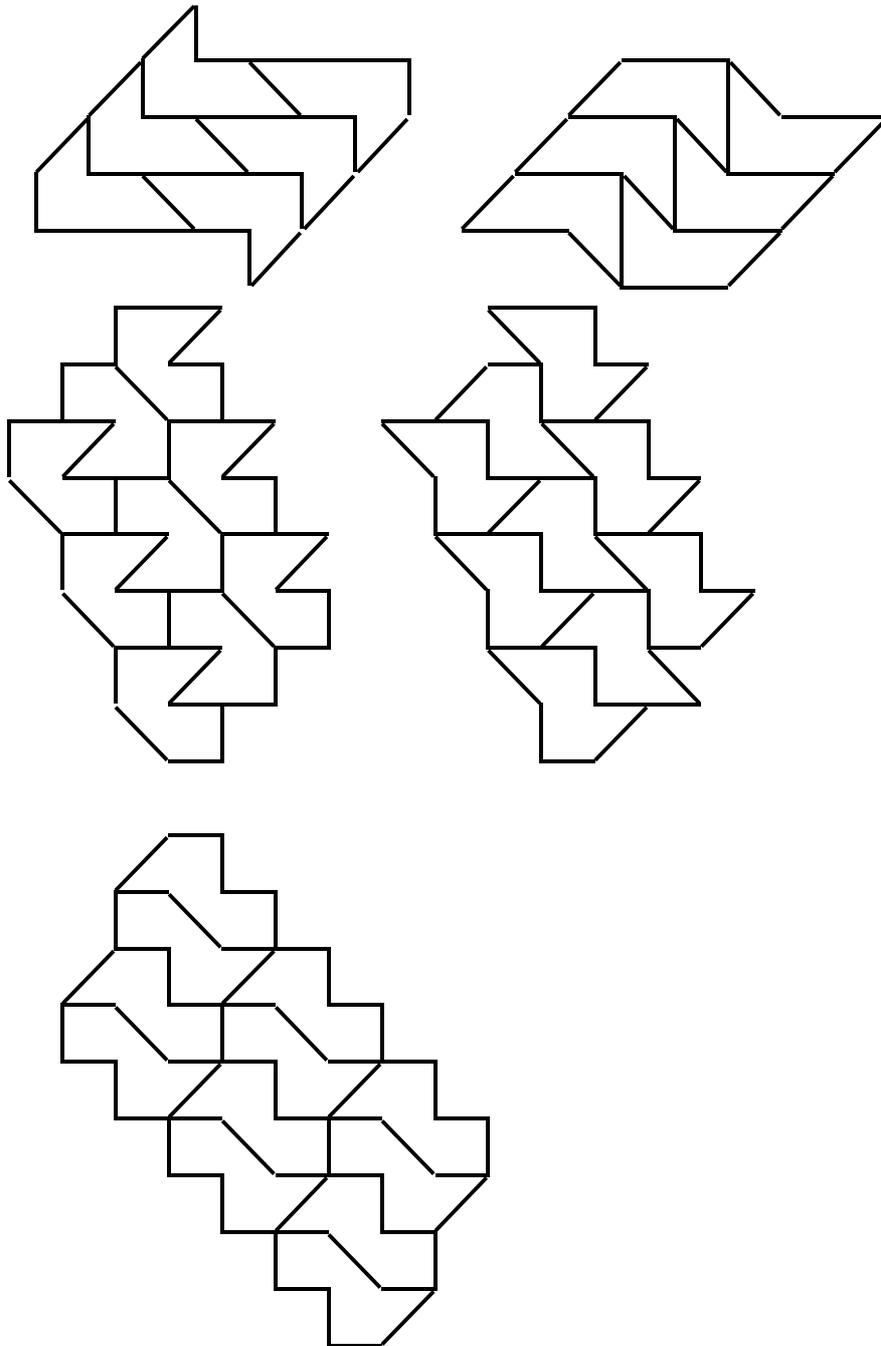
Pavages avec des bimi-L

Tout quadrilatère pave le plan.

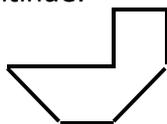


Des pièces, seules ou deux par deux, forment des bandes qui, enchevêtrées, pavent le plan





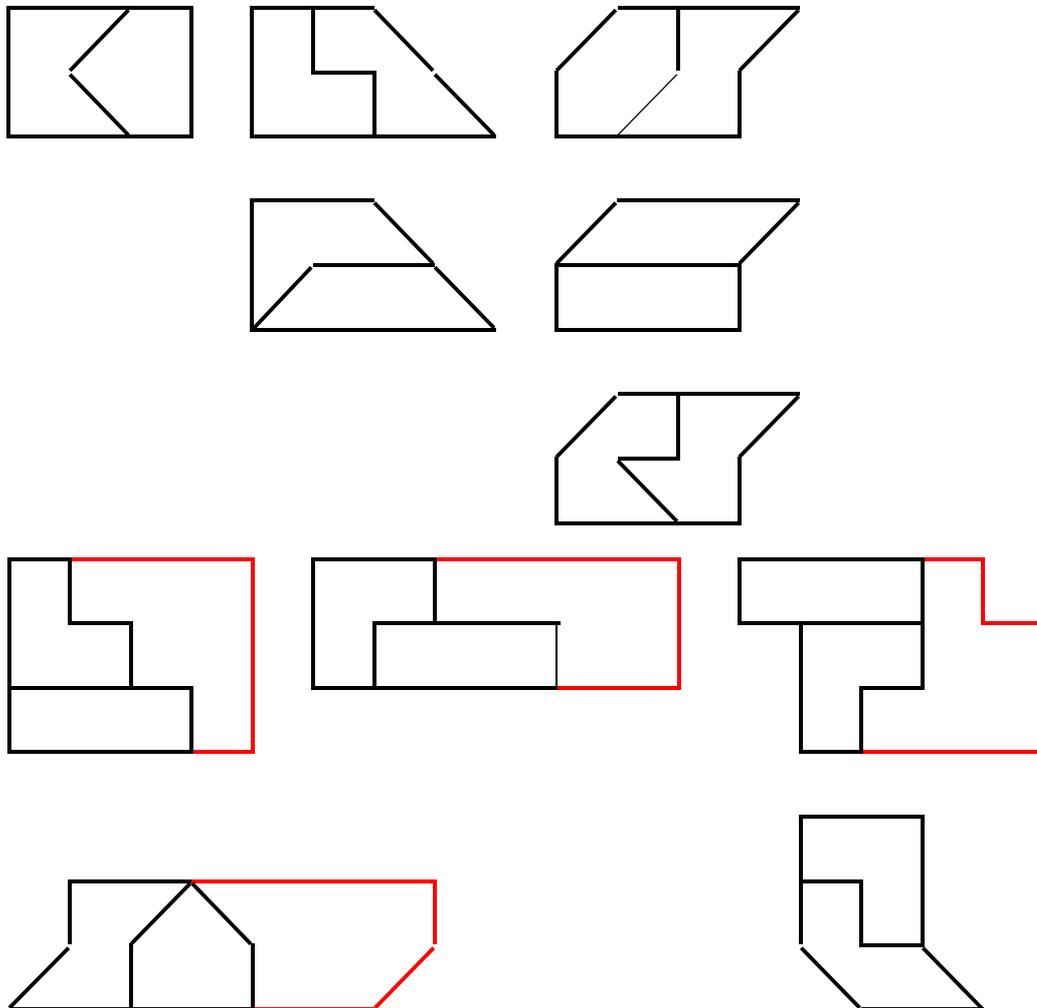
Concernant la pièce n°7, la recherche continue.

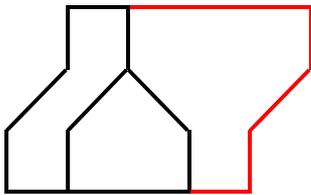
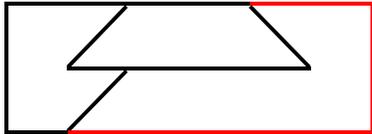
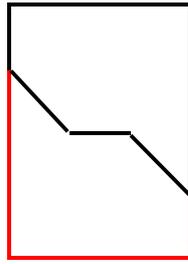
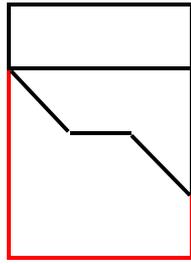
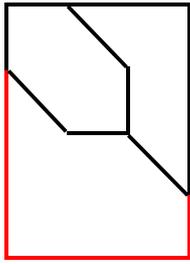


Pavages avec deux pièces

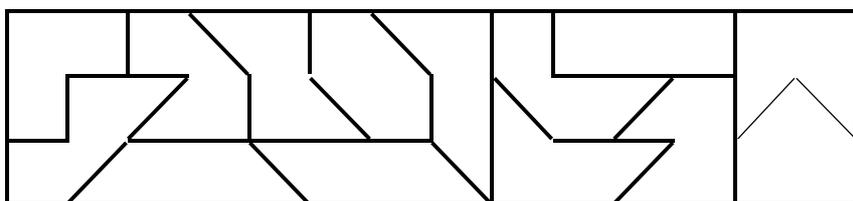
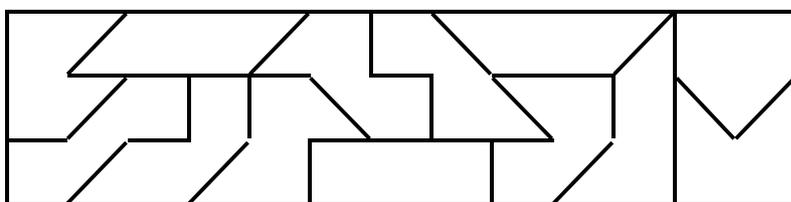
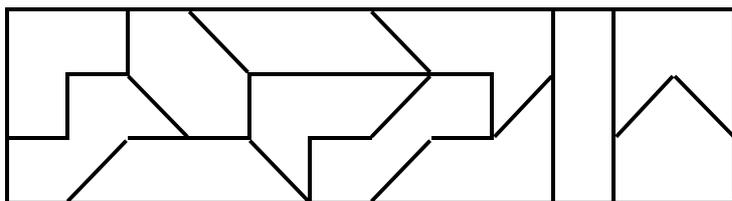
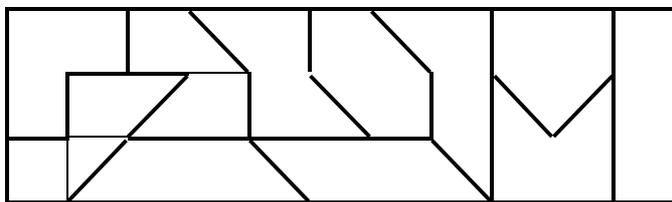
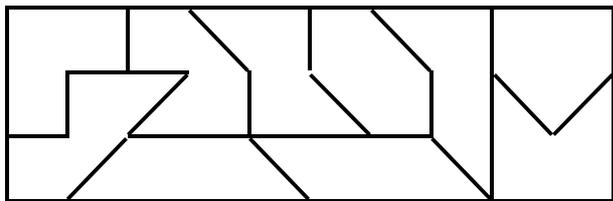
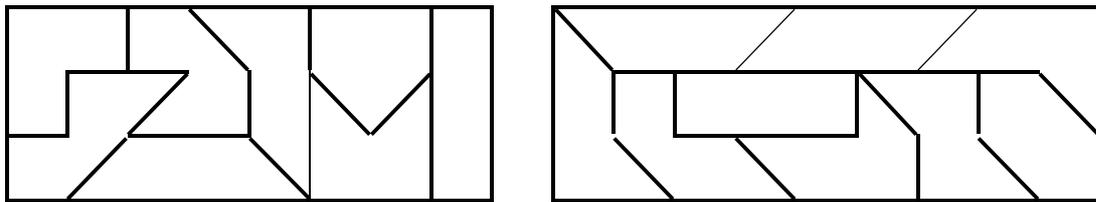
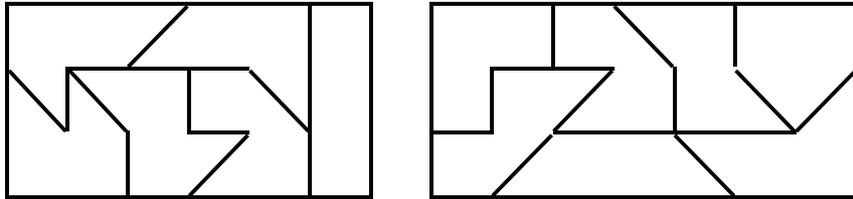
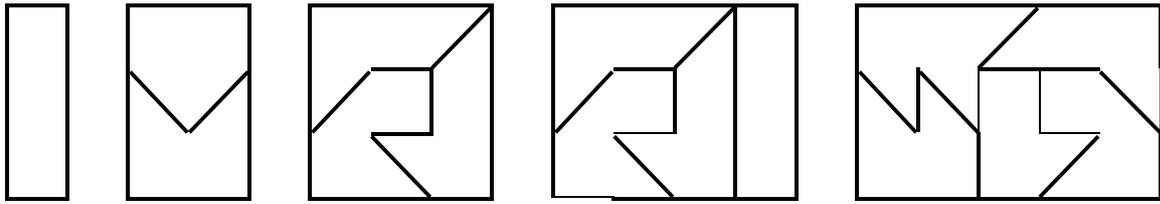
Des paires de pièces pavent le plan.

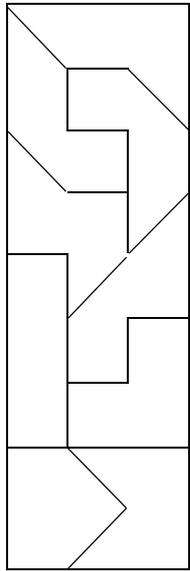
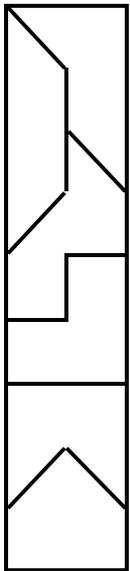
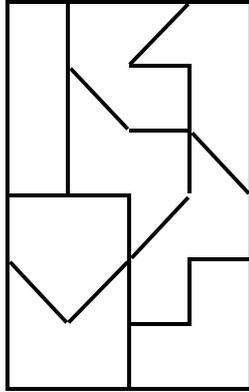
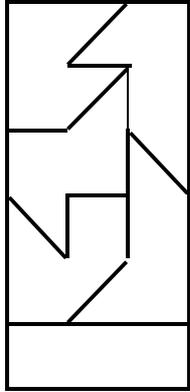
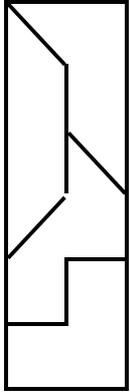
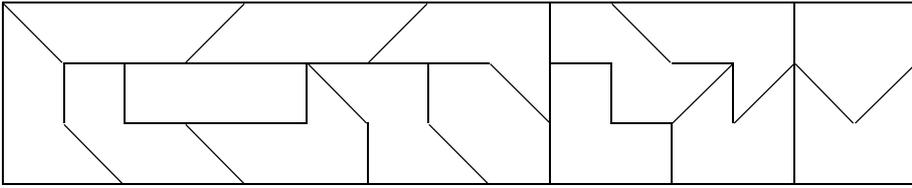
Ce n'est qu'un début de collection...





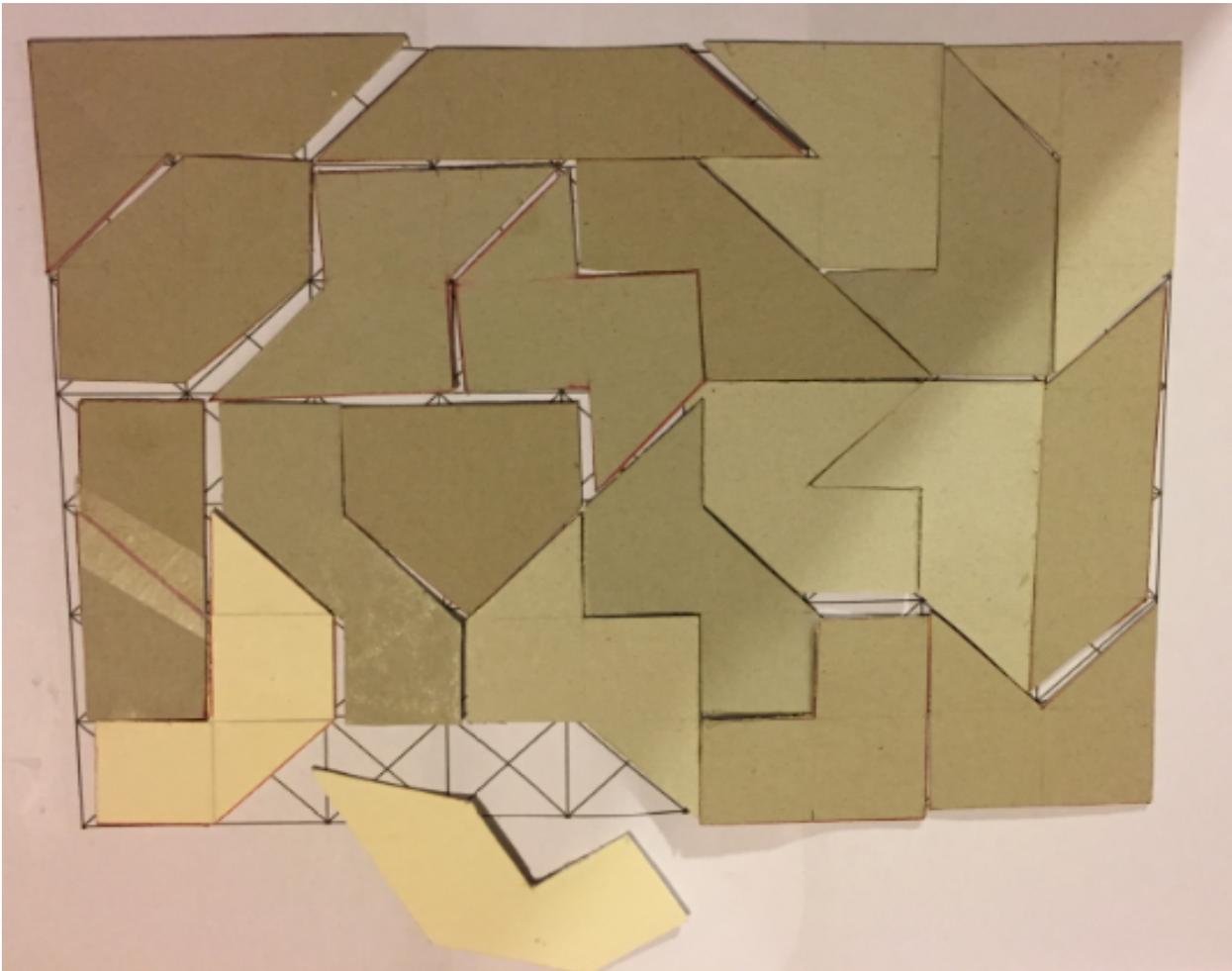
D'autres rectangles





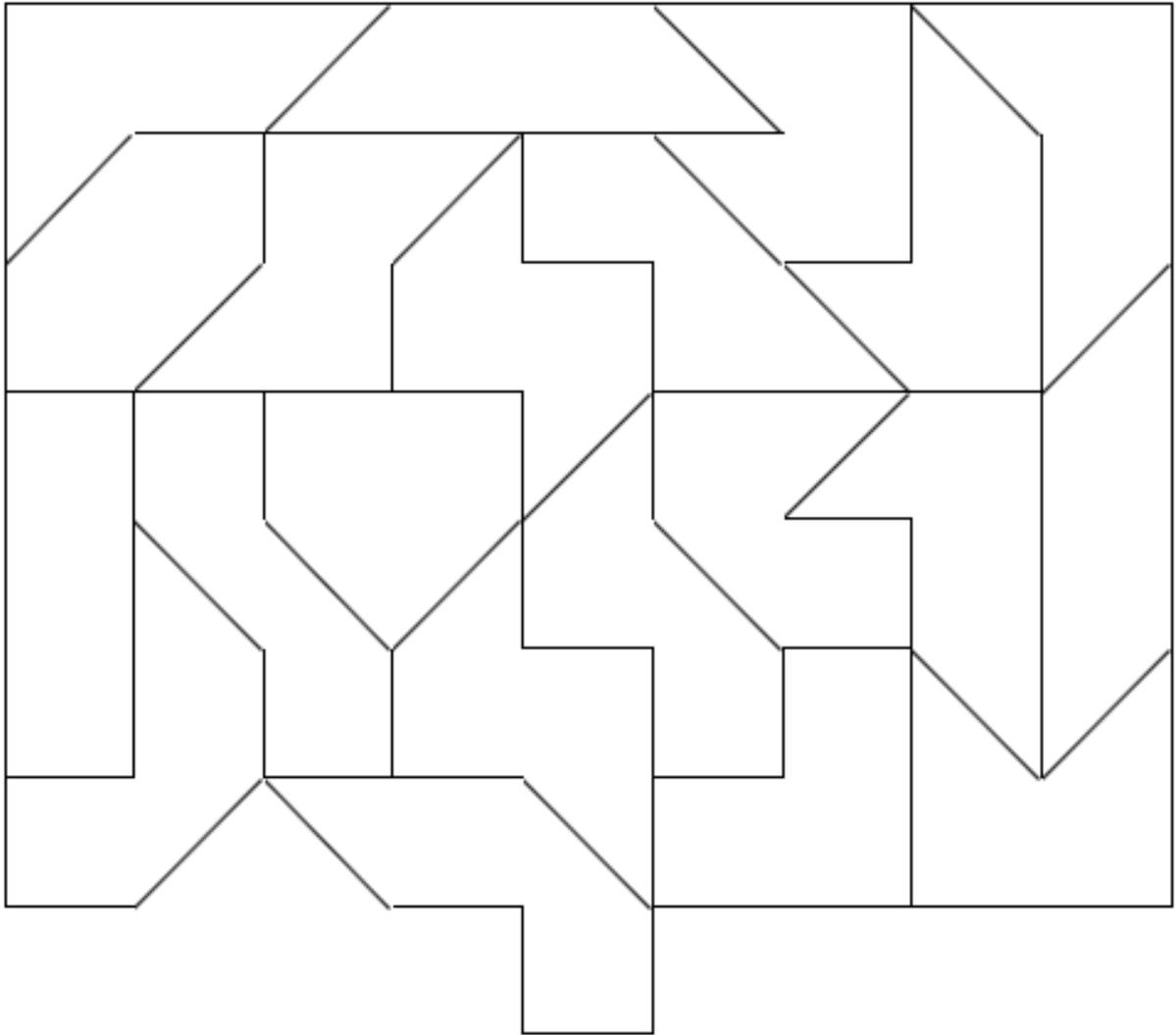
Vers un rectangle utilisant toutes les pièces

« Grrrrr !!! Toujours pas ! Je l'aurai, je l'aurai ... » nous dit un joueur lorrain. Nous pouvons remarquer le plateau utilisé.



Pour construire ses « bimi-L » (1)

À reproduire sur carton ou imprimer sur bristol



Pour construire ses « bimi-L » (2)

À reproduire sur carton ou imprimer sur bristol

