Match together

PRINT & FIT TOGETHER!

PROTIP trim sheets for nicer fit
Doubly Marked Robinson Tiles

drawn by Chaim Goodman-Strauss

What Patterns Can You Find?

for further information:

M. Gardner, Martin Gardner’s Mathematical Games: The Entire Collection of His Scientific American Columns on one CD Mathematical Association of America (2008)


R. Robinson, Undecidability and nonperiodicity of tilings in the plane, Inv. Math. 12 (1971), 177-209


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Tassellazioni, in La Matematica v3, Einaudi (2011), Turin, Italian;


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How do these pieces fit?

You’ll need to flip them over for all possible arrangements!

Try tracing paper! Scratch sheets are at the end of this packet!
What larger structures can you find?

Protip: trace

What structure do these tiles force, just through local neighbor-to-neighbor matching rules?
Print out a bunch of this stuff and figure it out! 
Cut it up and rearrange the pieces! 
Assemble into bigger chunks!

Draw your own!

Share your pix!

Protip: best to be sloppy! (Can worry more about the big stuff!)

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Draw your own!

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Protip: print out a bunch of these to sketch on!
Assemble your drawings into larger ones!

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