Illustrations of the Two-Dimensional Space Groups
by Angelo Gavezzotti

This document has been produced by scanner reproduction of the original drawings prepared for the paper:
A. Gavezzotti (1976). *The two-dimensional space groups: an illustration. Atti della Accademia Nazionale dei Lincei, Anno CCCLXXIII-1976, Memorie Classe di Scienze Fisiche, Matematiche e Naturali, Serie VIII-Volume XIII, Sezione II (Fisica, Chimica, Geologia, Paleontologia e Mineralogia).*

There are differences between the plane group symbols as used in the drawings and those given in the most recent version of *International Tables for Crystallography* (2002). Vol. A, *Space-group symmetry*, edited by Th. Hahn, 5th ed. Dordrecht: Kluwer Academic Publishers. In particular *p*, *m*, *g* and *c* should be italic. Moreover:

old symbol	new symbol
pmm	*p*2*mm*
pmg	*p*2*mg*
pgg	*p*2*gg*
cmm	*c*2*mm*
p4m	*p*4*mm*
p4g	*p*4*gm*
p6m	*p*6*mm*

The unit cells drawn at the top right of each diagram are not of the same size (isotropic scaling allowed), and some of the cells do not respect the orientation and proportion of the drawing. This is the case for: orientation and proportion: *p*1, *p*2; proportion: *pm*, *cm*, *p*2*mm*, *p*2*mg*, *p*2*gg*, *c*2*mm*. Some of the mirror planes appear as double lines rather than one thick single one.

The originals are in black China ink on transparent paper, which has become brittle with time. It has therefore been decided to leave the drawings as they were, without attempting corrections at the risk of permanent damage on the originals.

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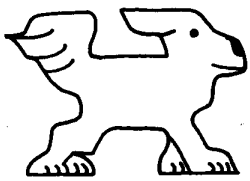

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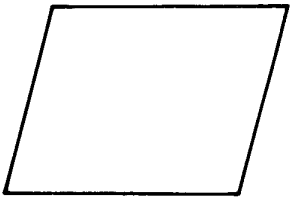

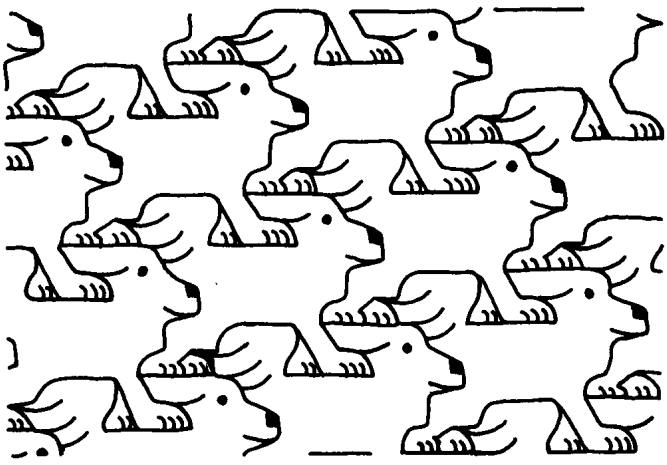

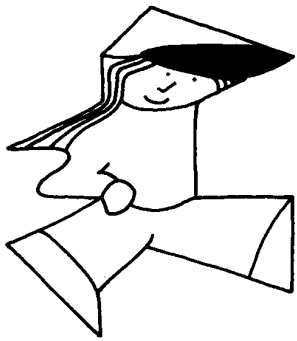

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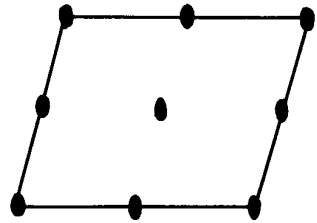
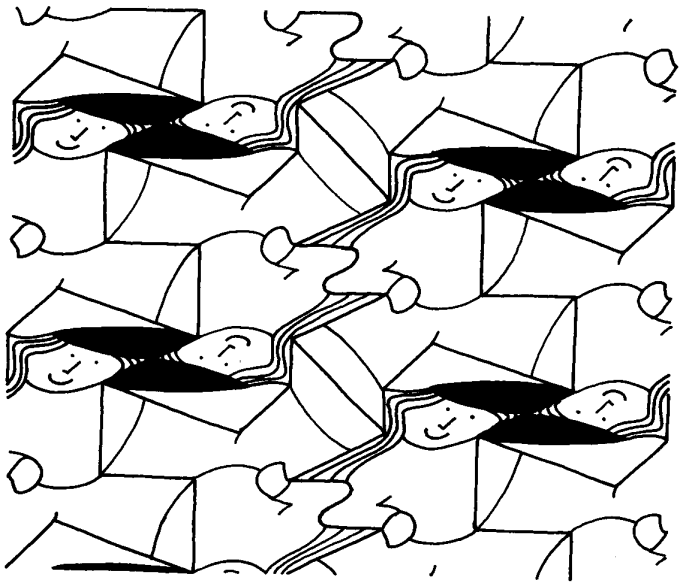
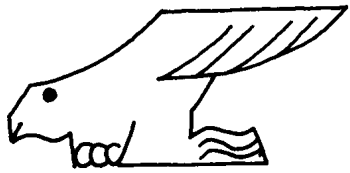
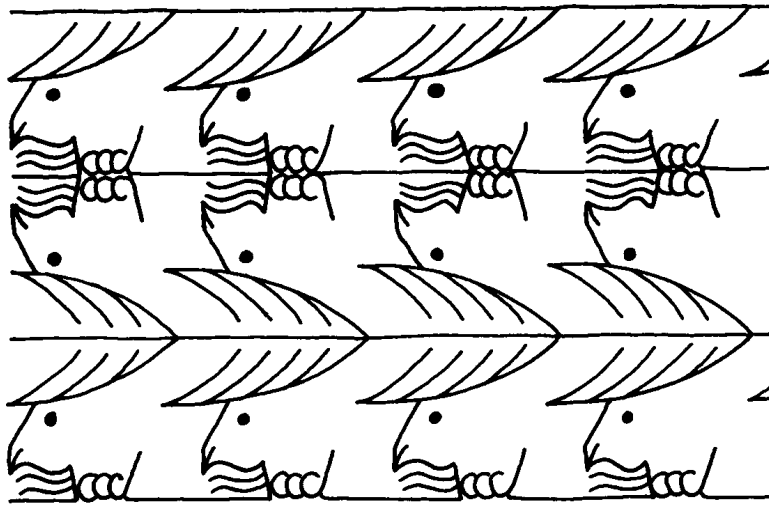
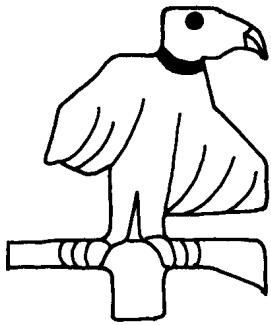






pm





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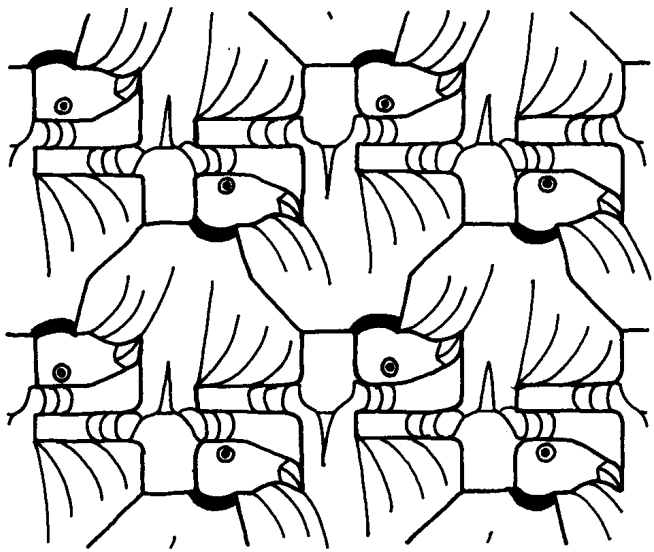

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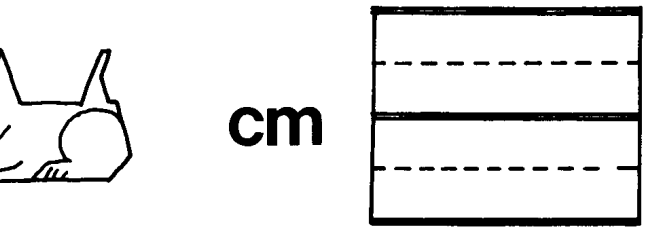

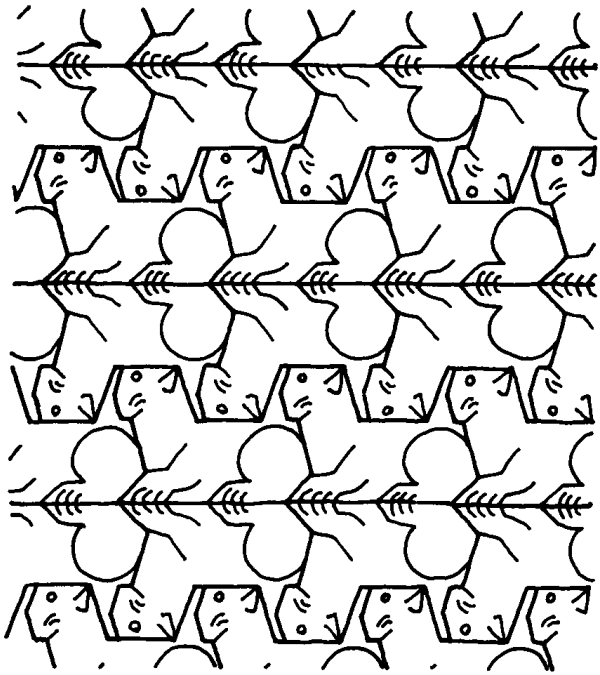

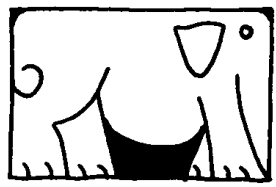

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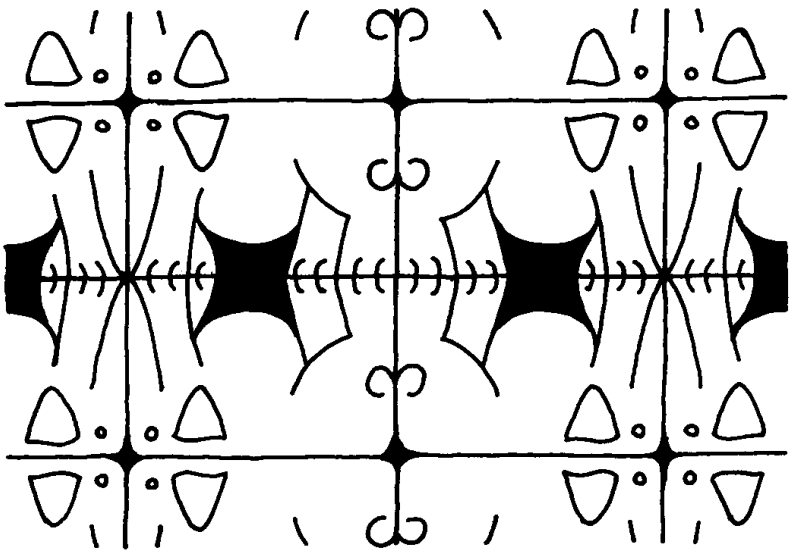

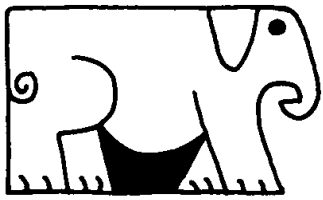

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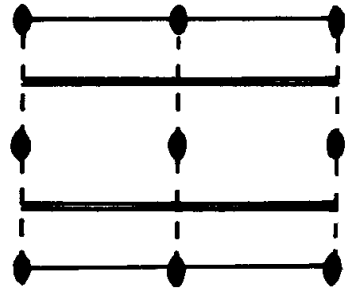

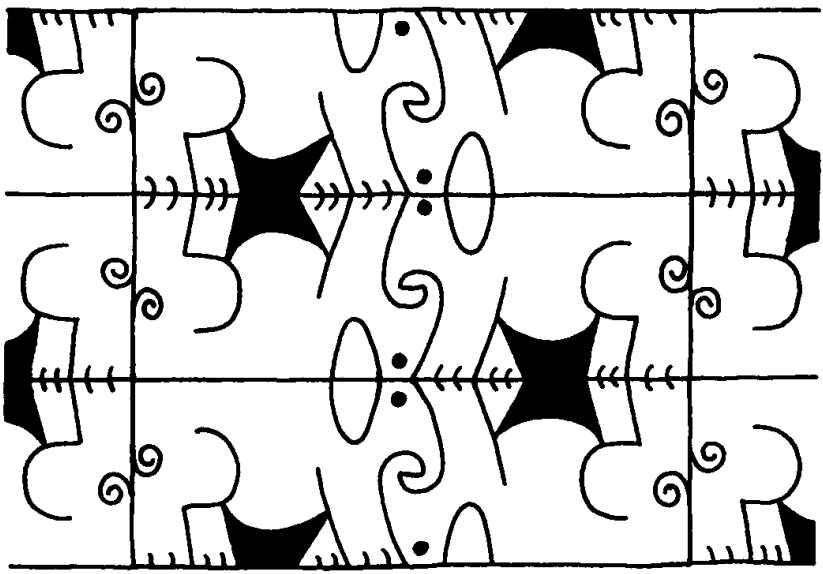

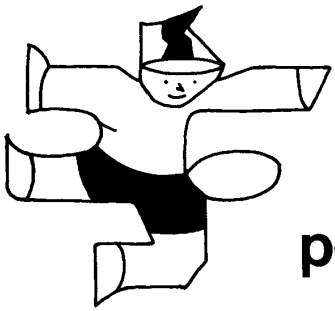

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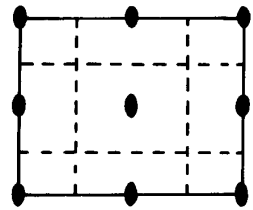

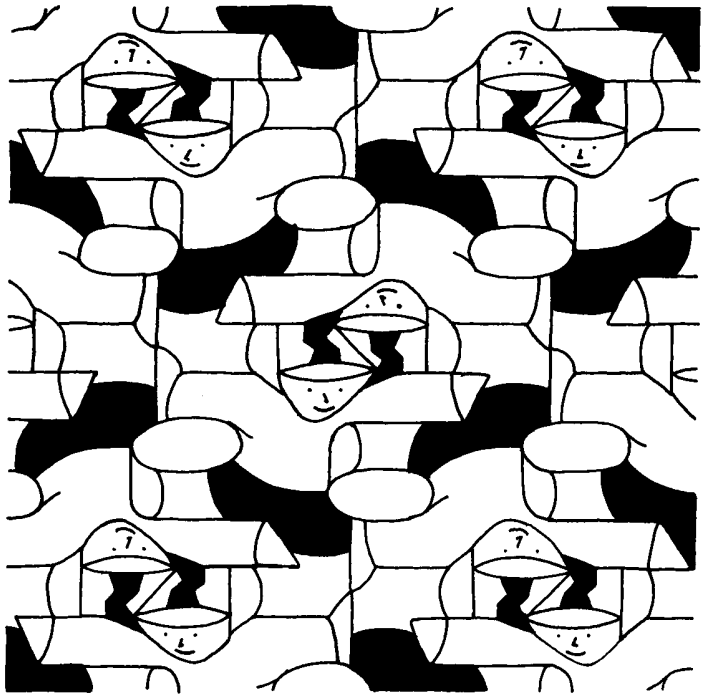

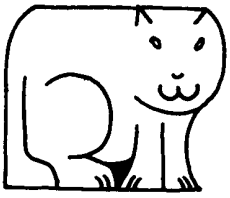

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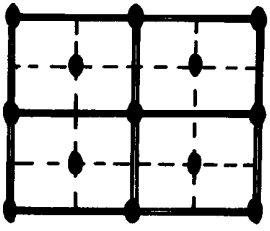

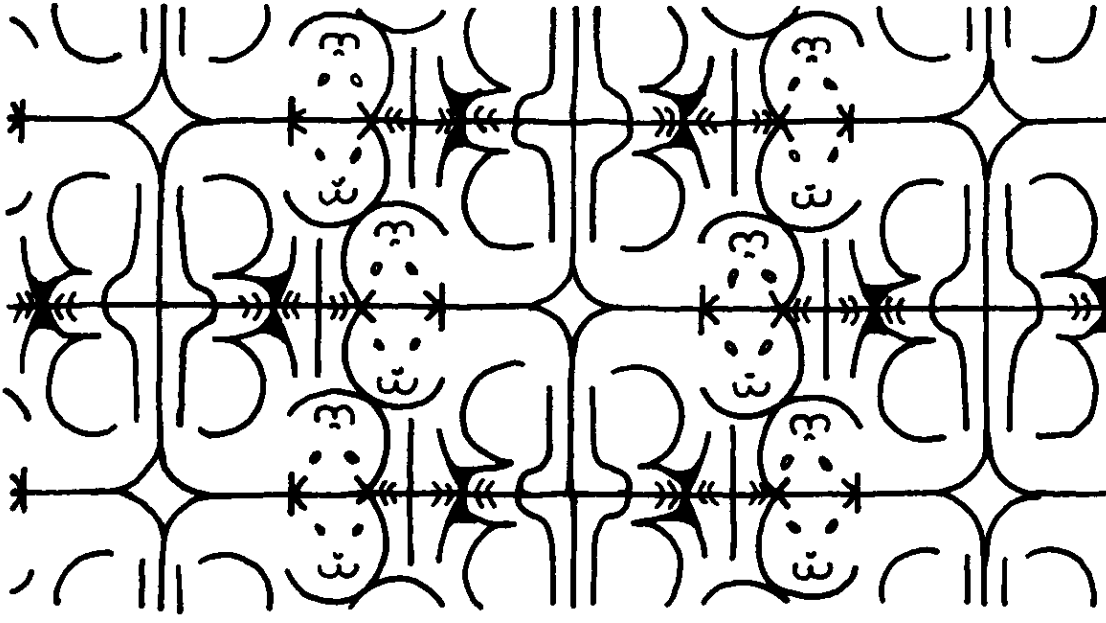

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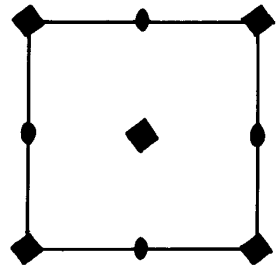

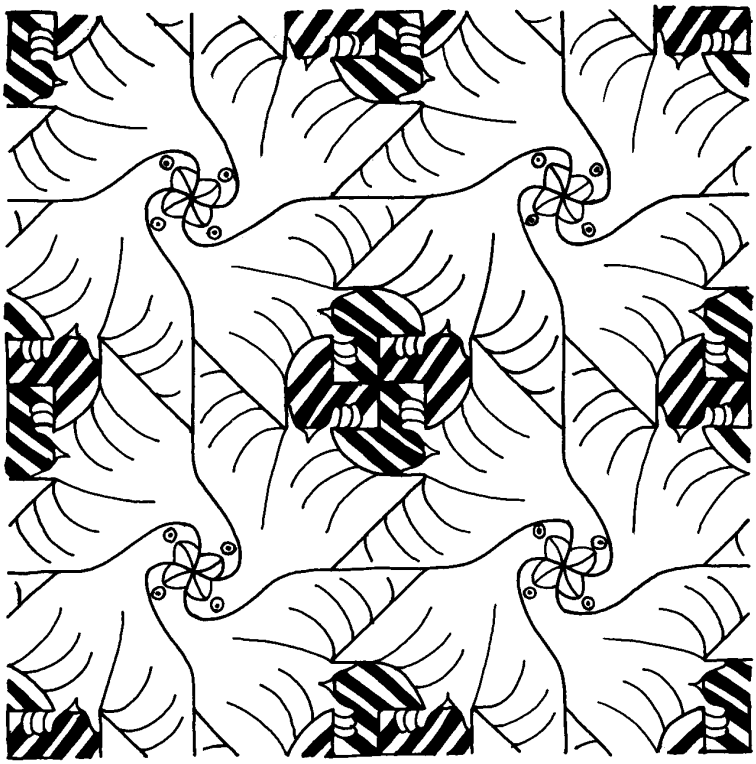

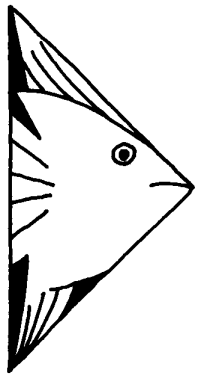

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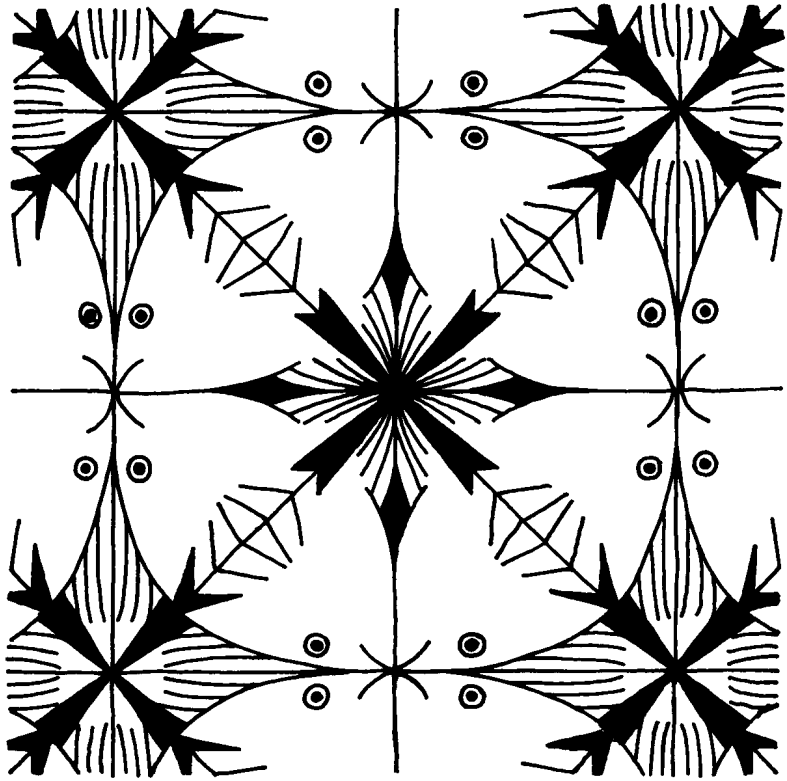

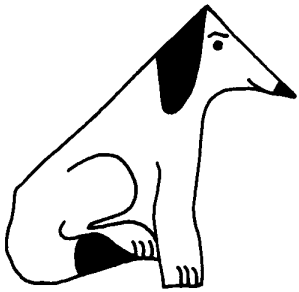

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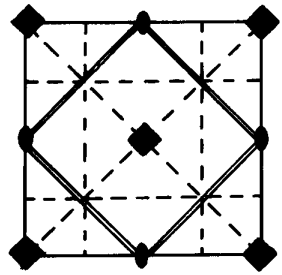

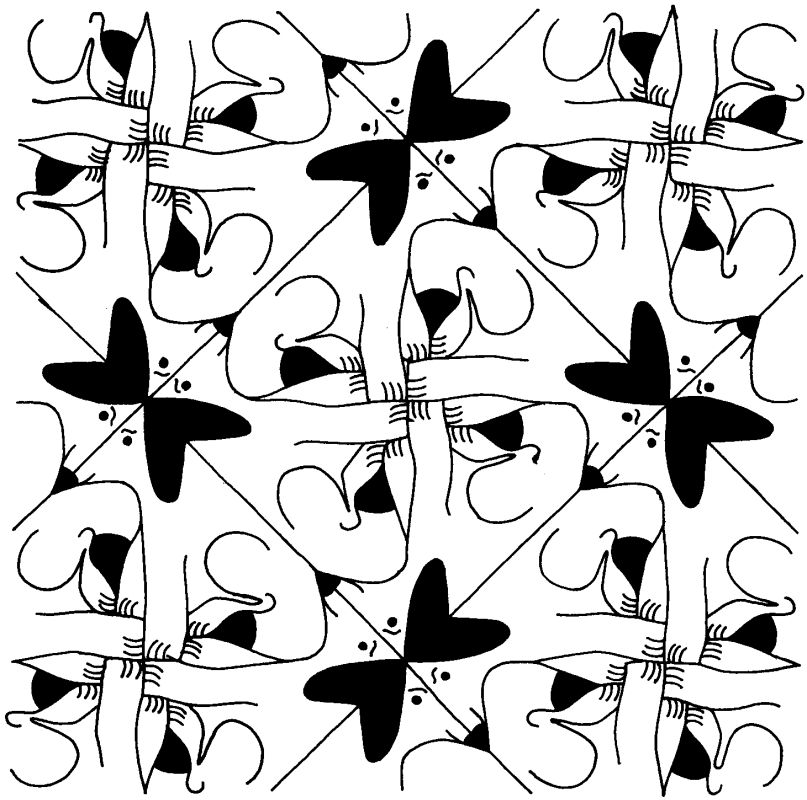

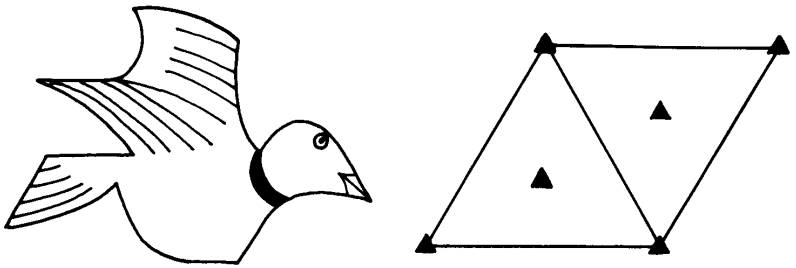

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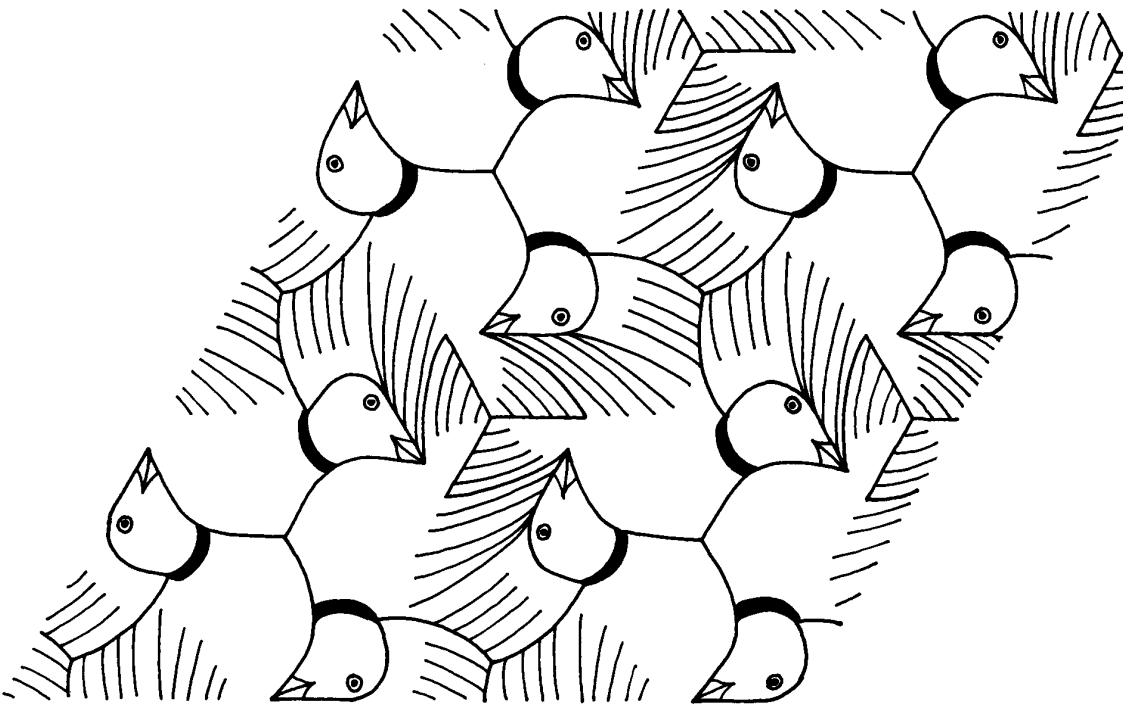

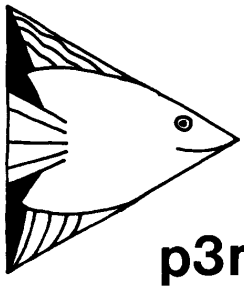

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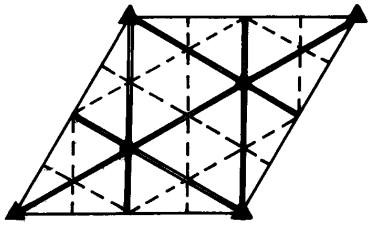

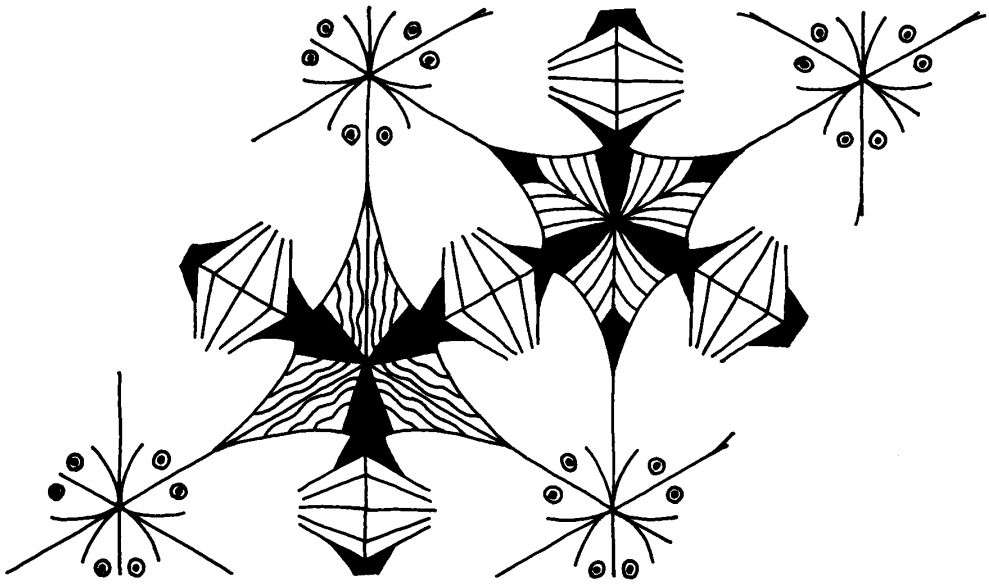

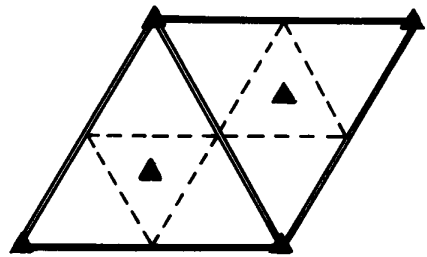

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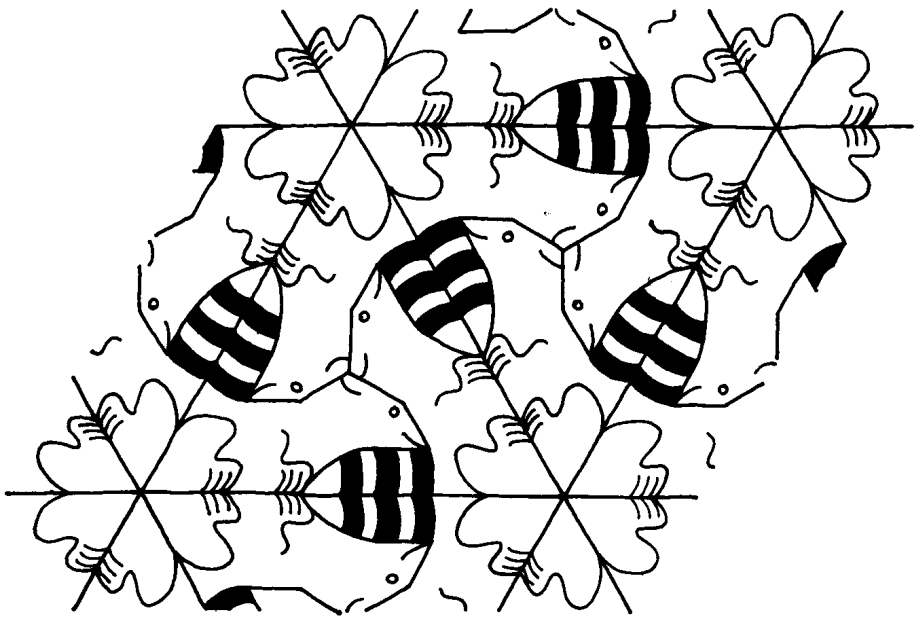

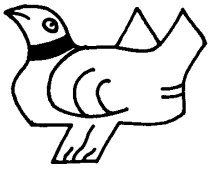

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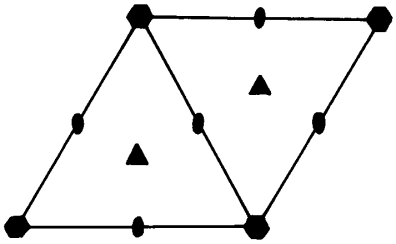

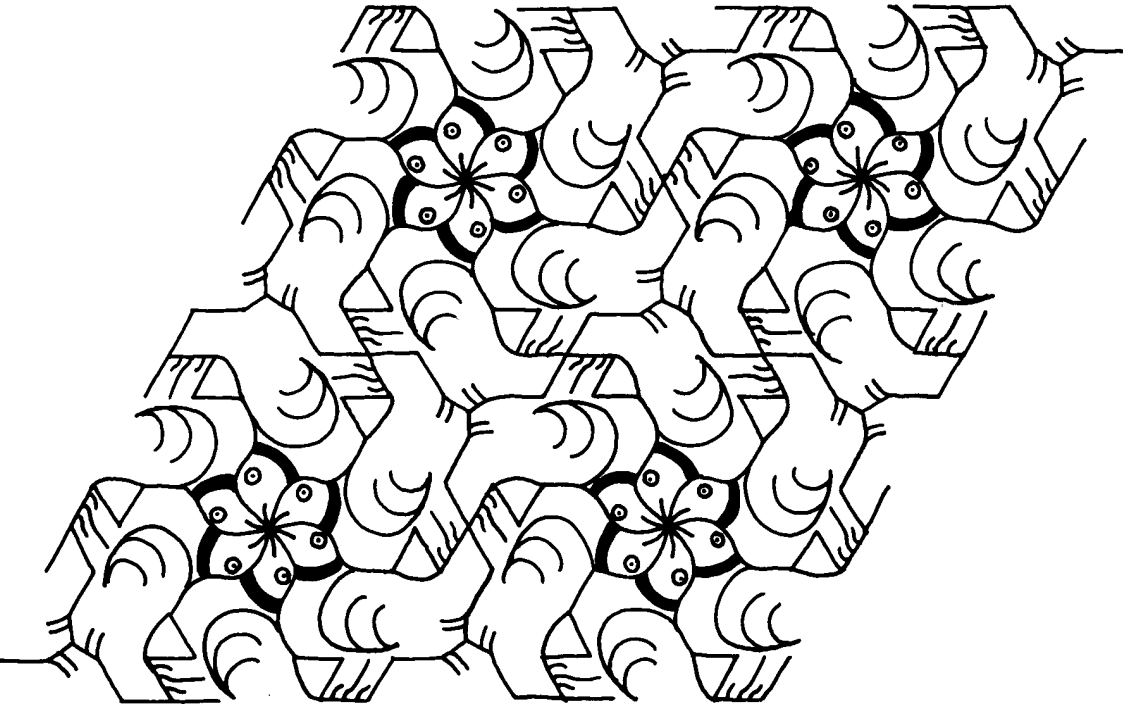

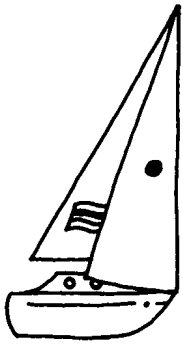
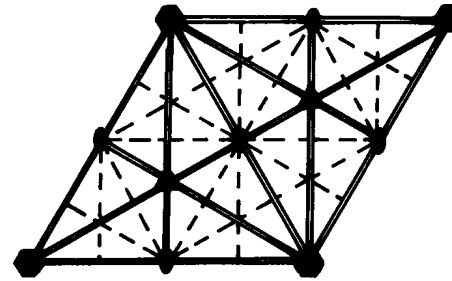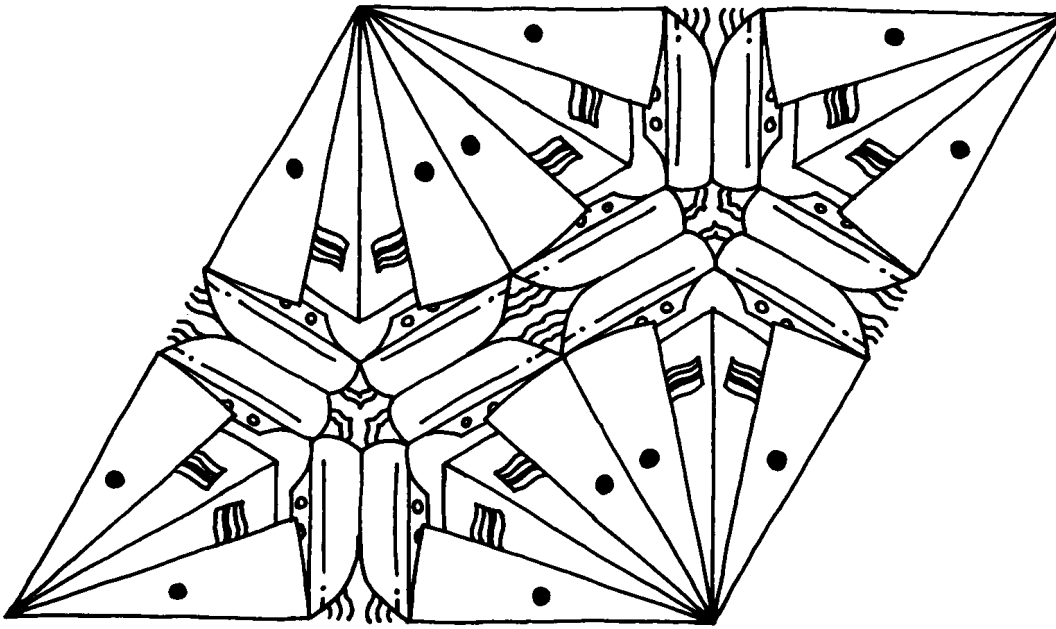
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