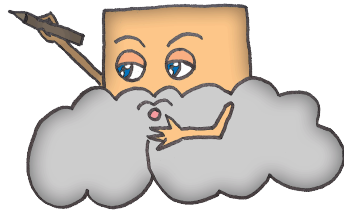


prof. Matemko

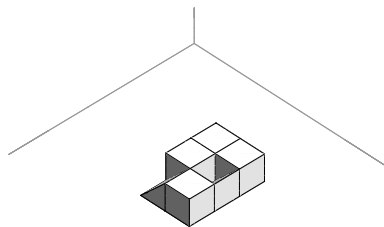


Projections of Cubes and Half-Cubes

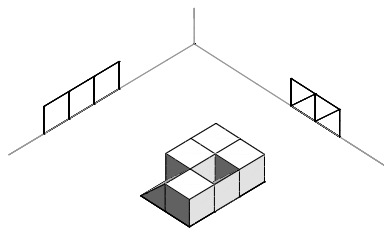
An arrangement of cubes and half-cubes is given.

No difference between visible and non-visible lines is indicated.

The task is to draw the orthogonal projections of the arrangement.

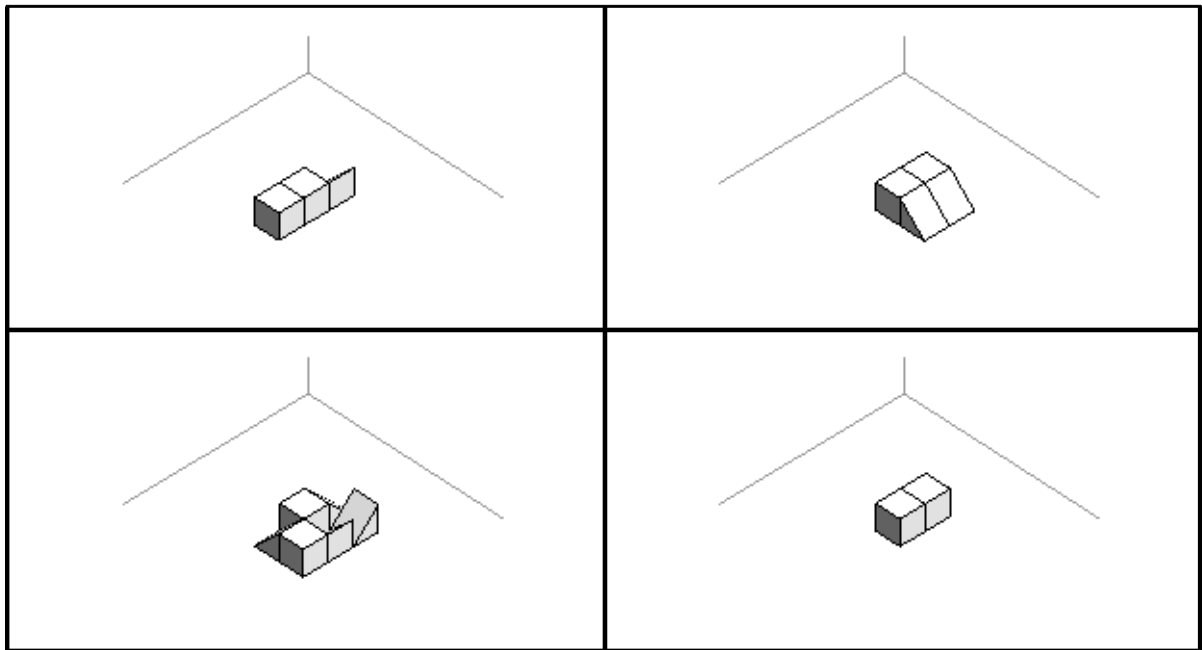


Answer

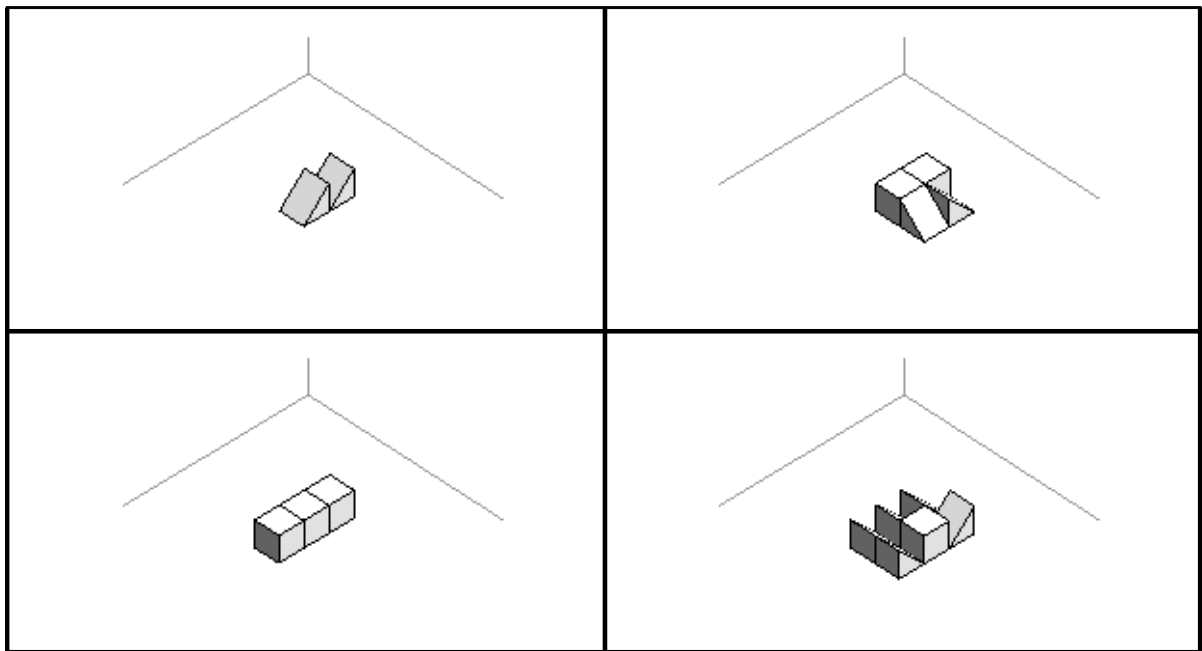


MATHEMA

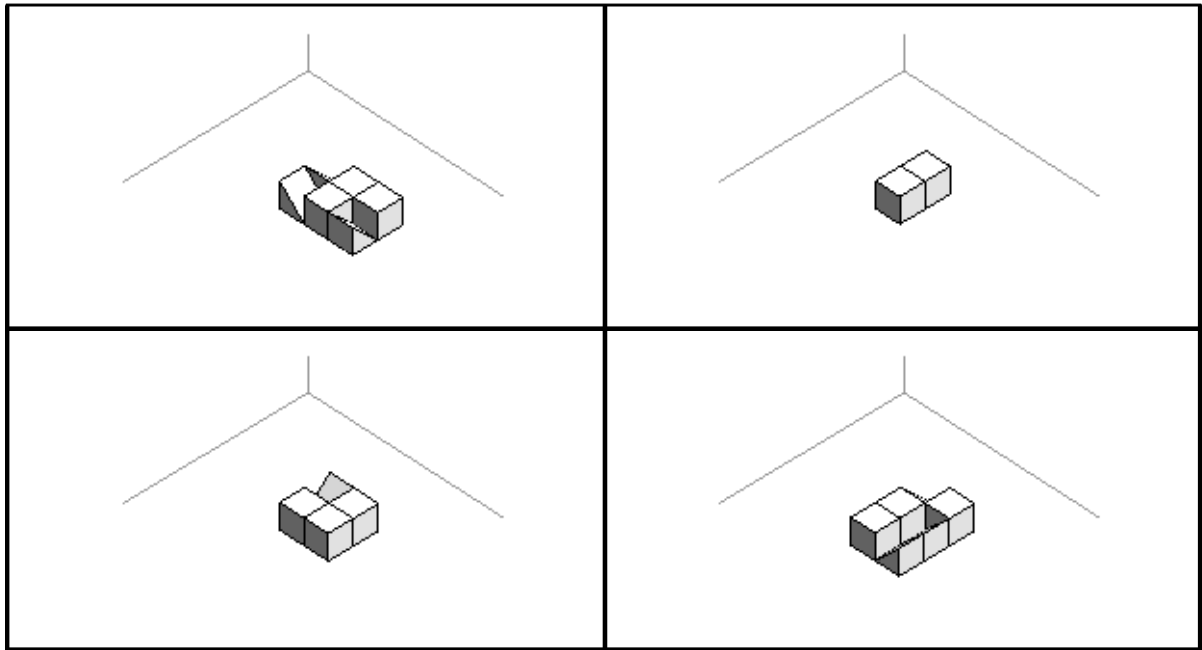
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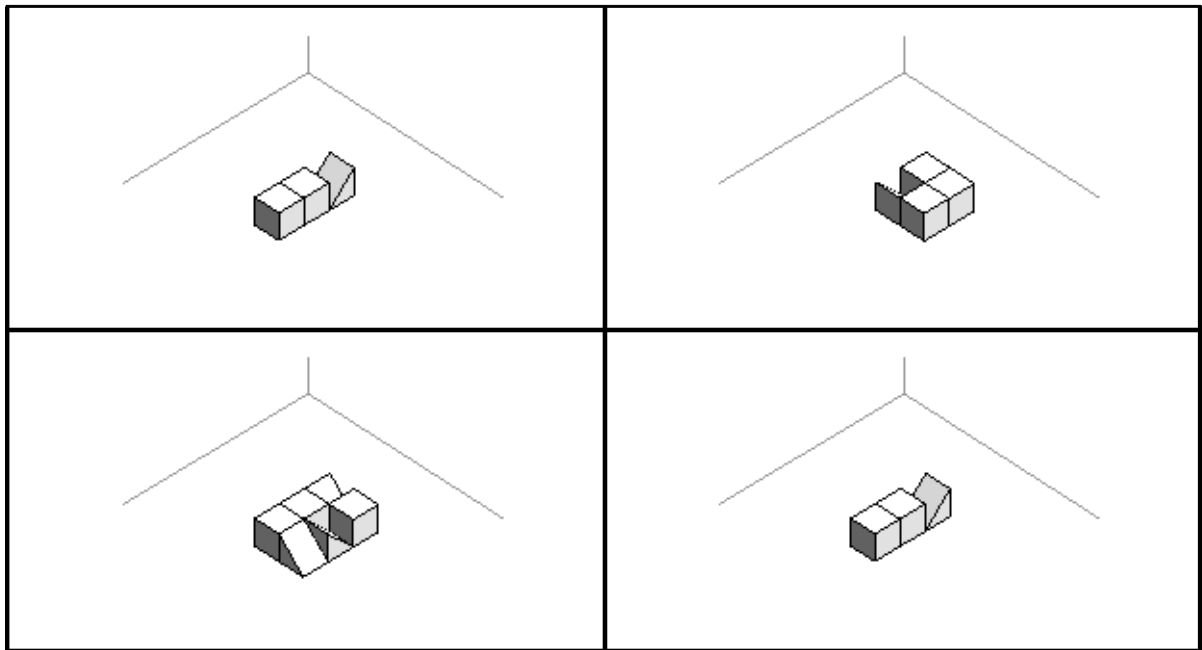
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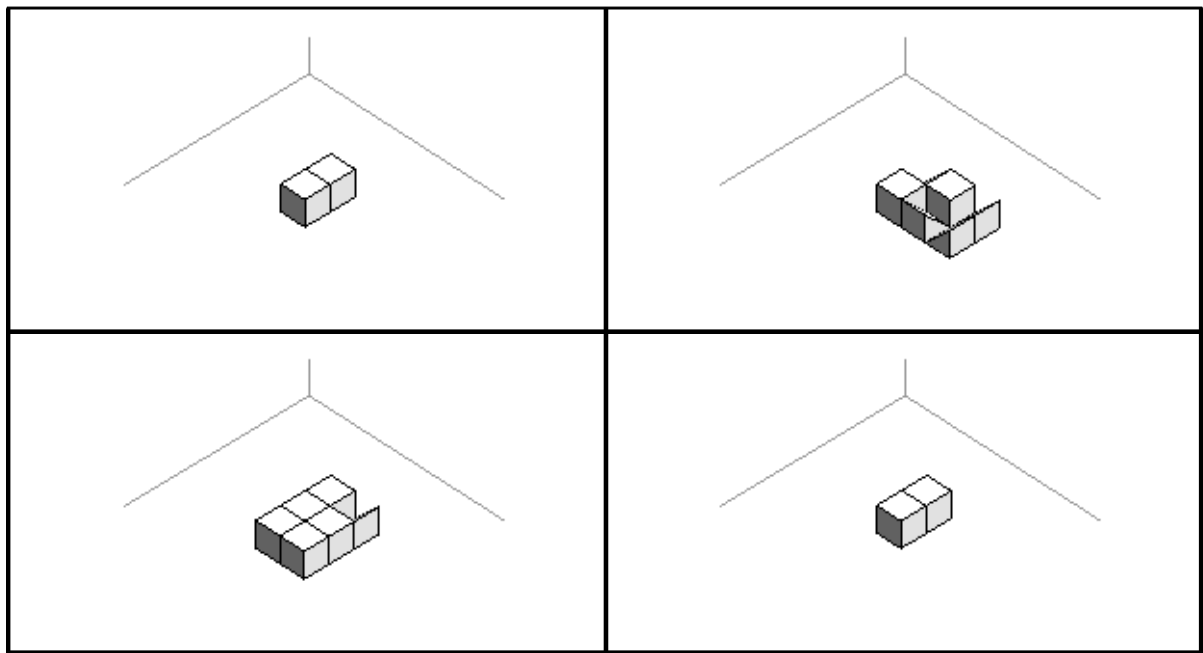
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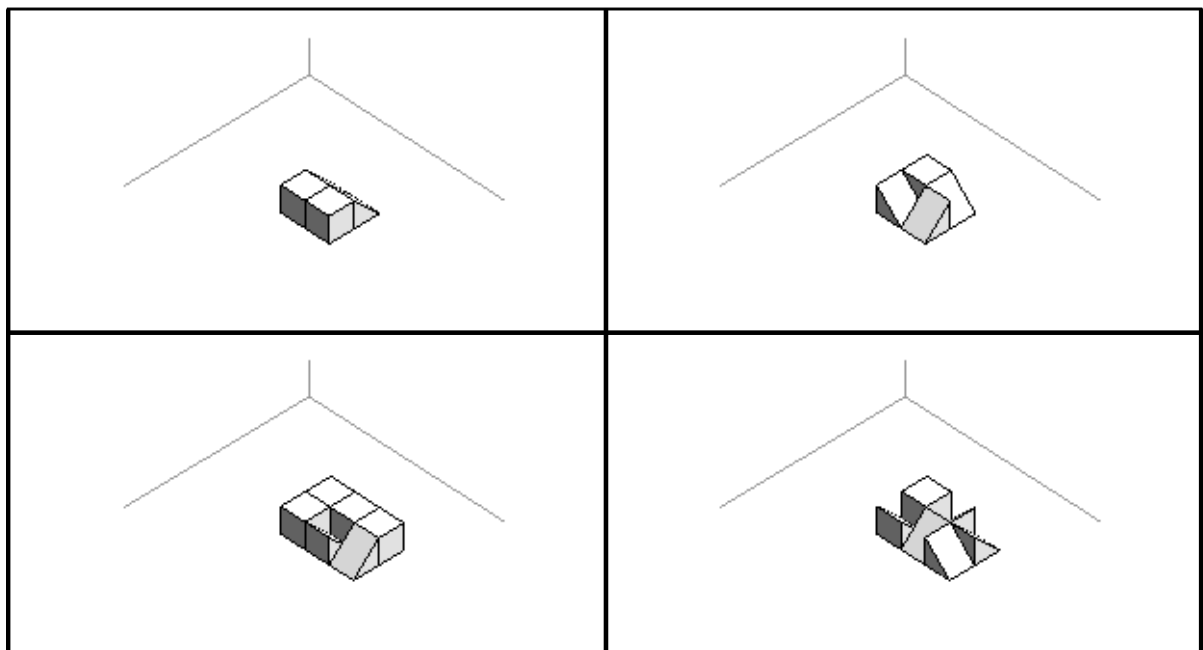
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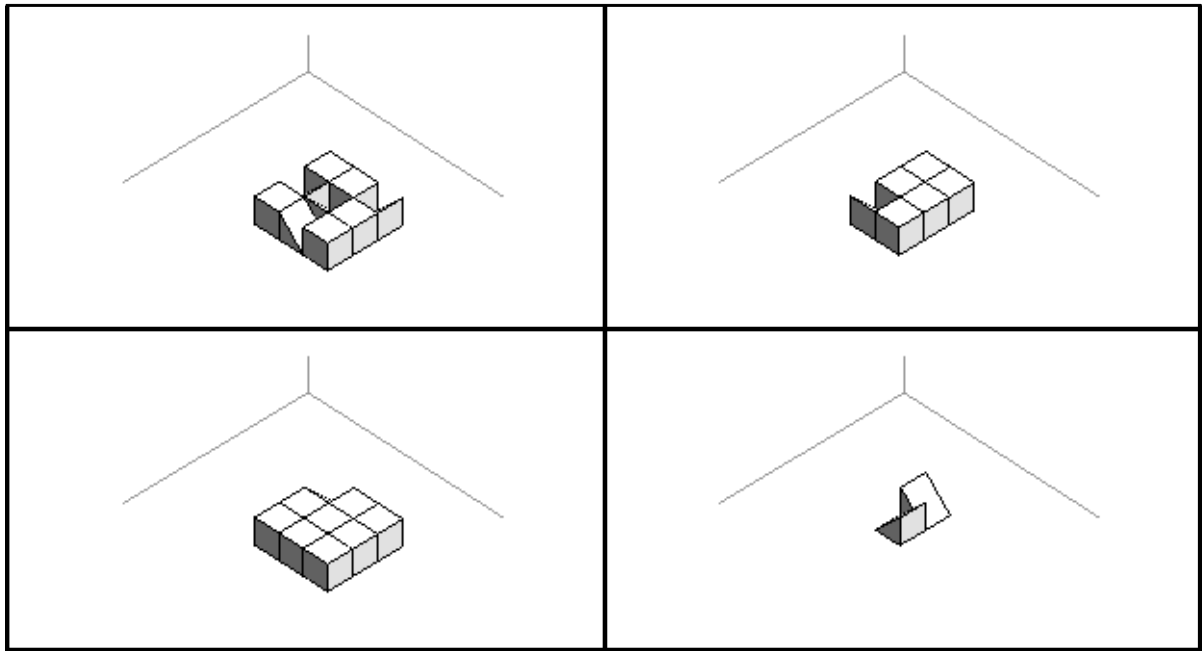
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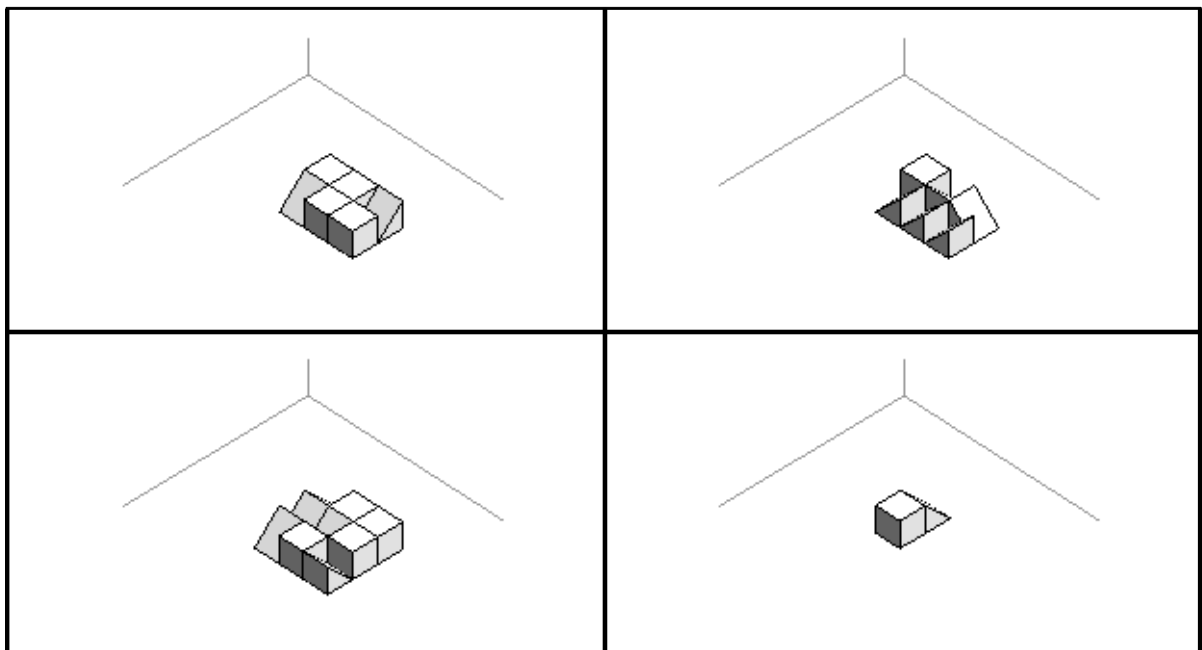
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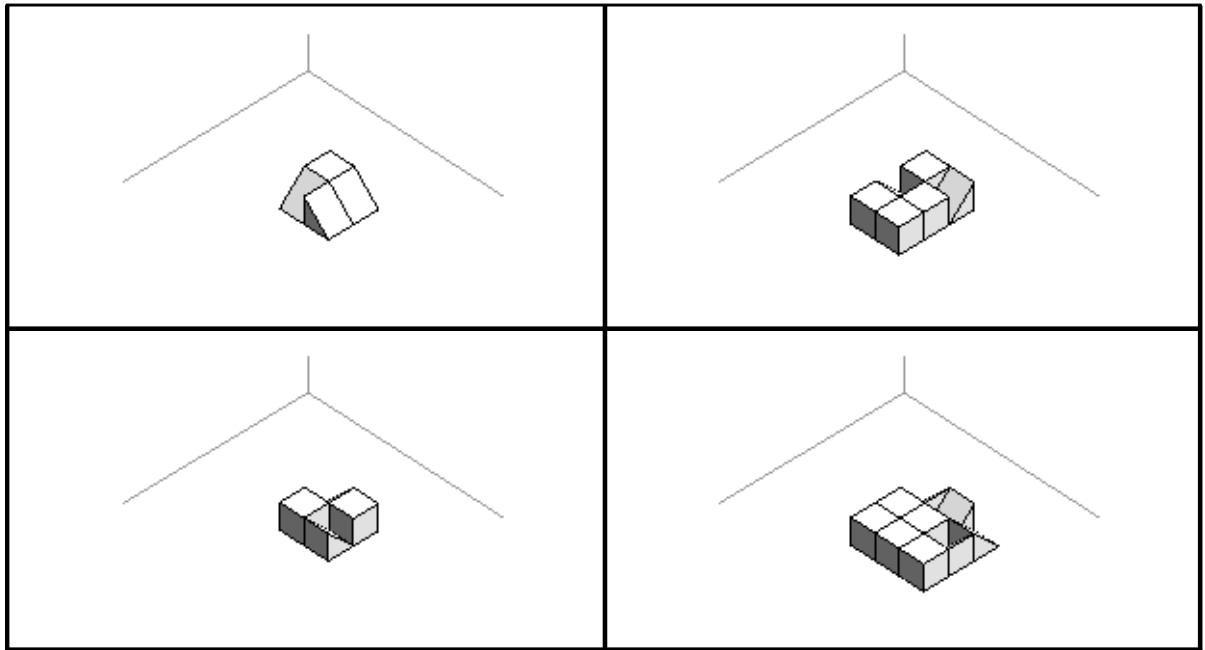
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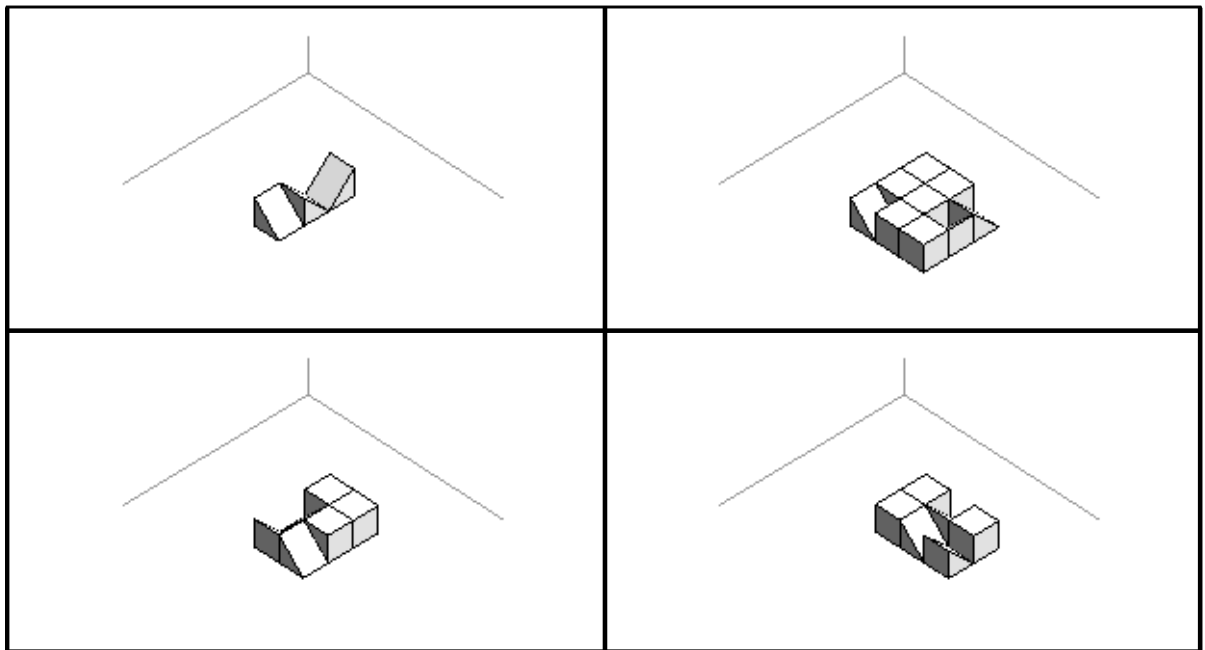
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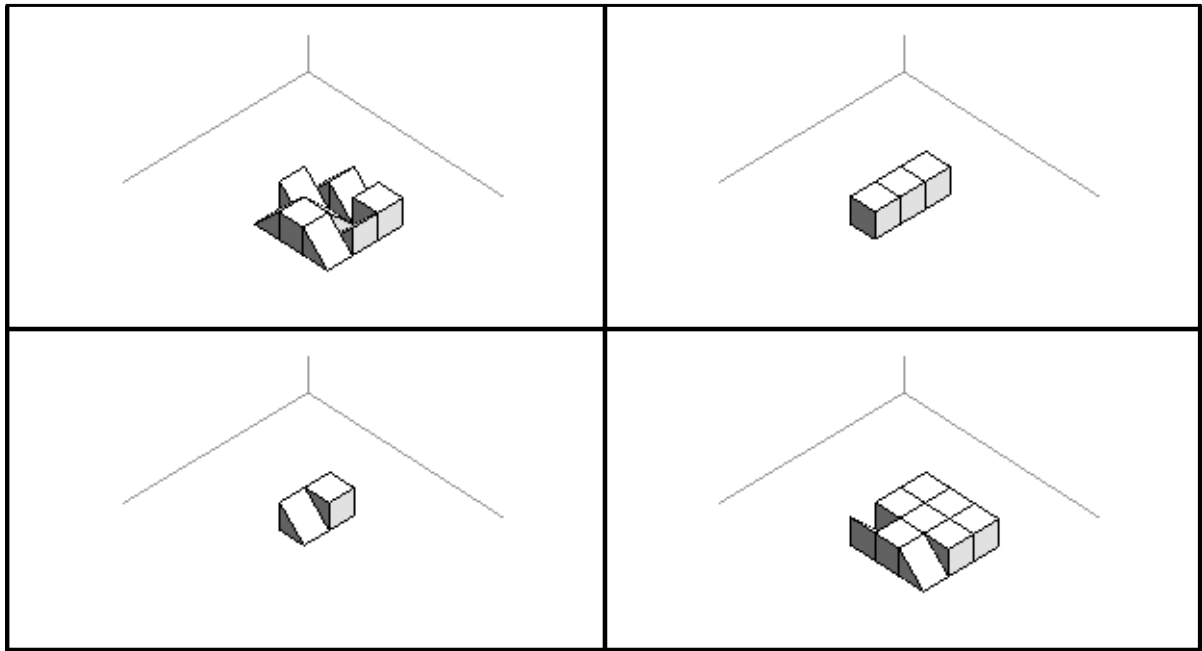
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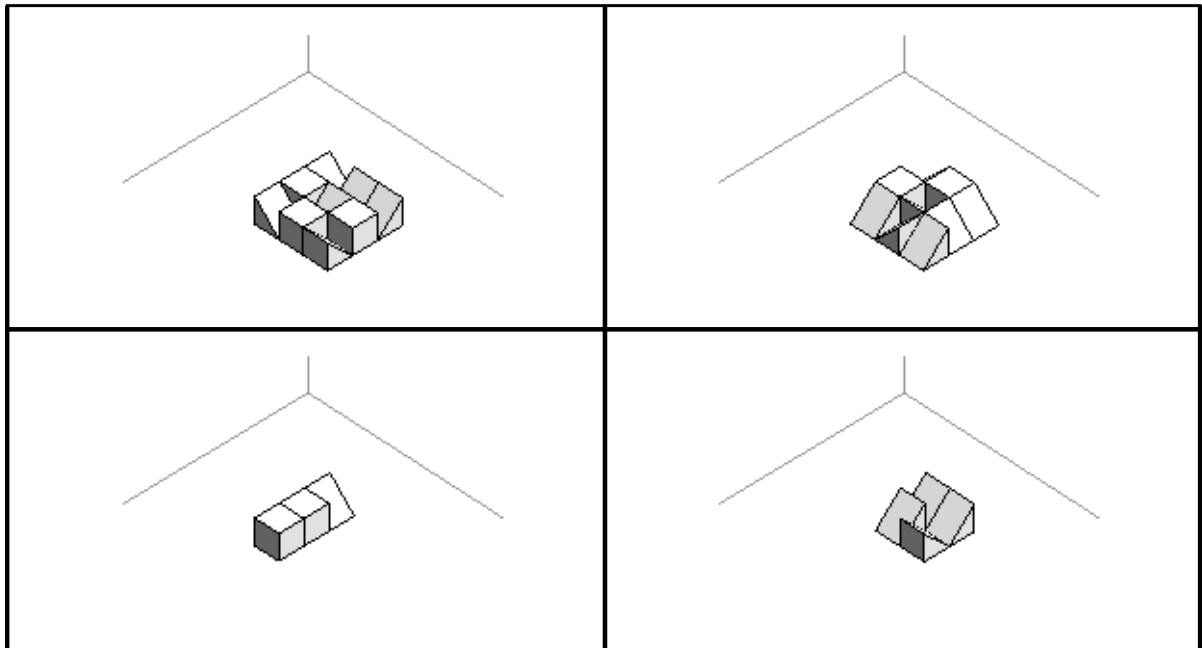
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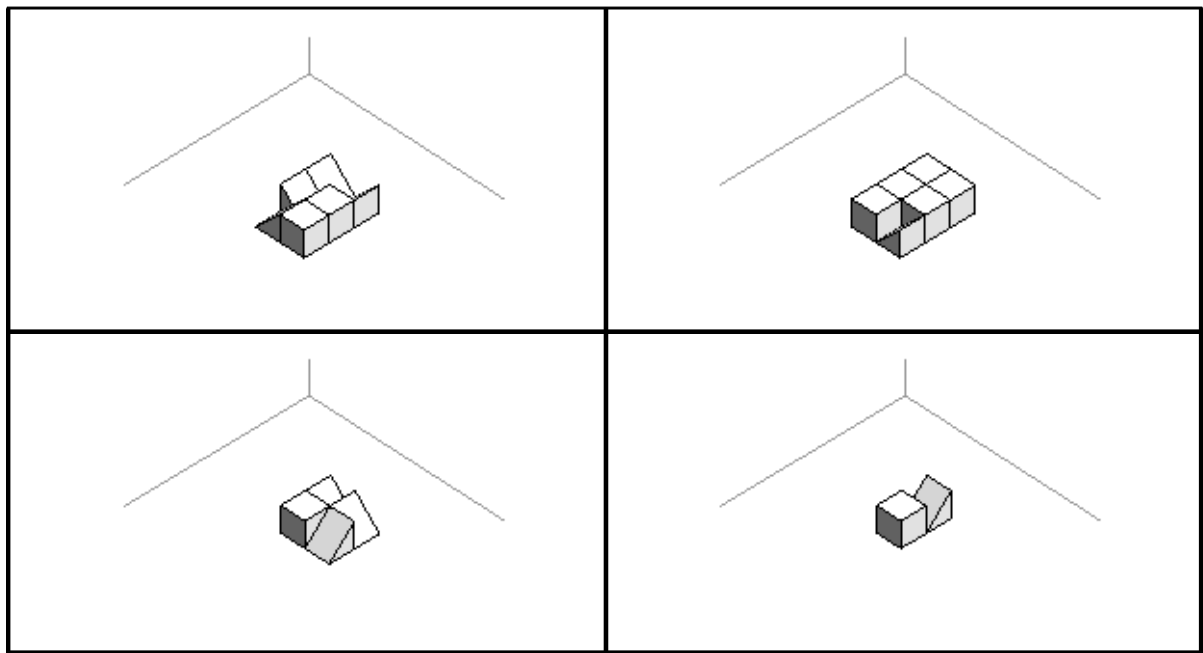
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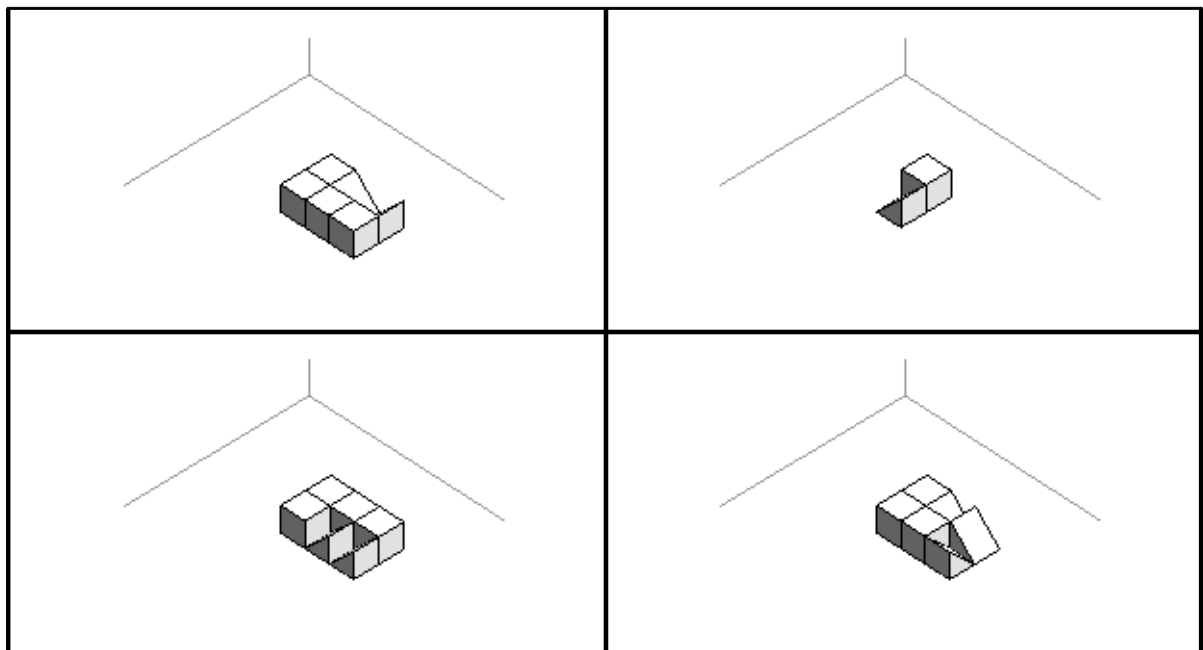
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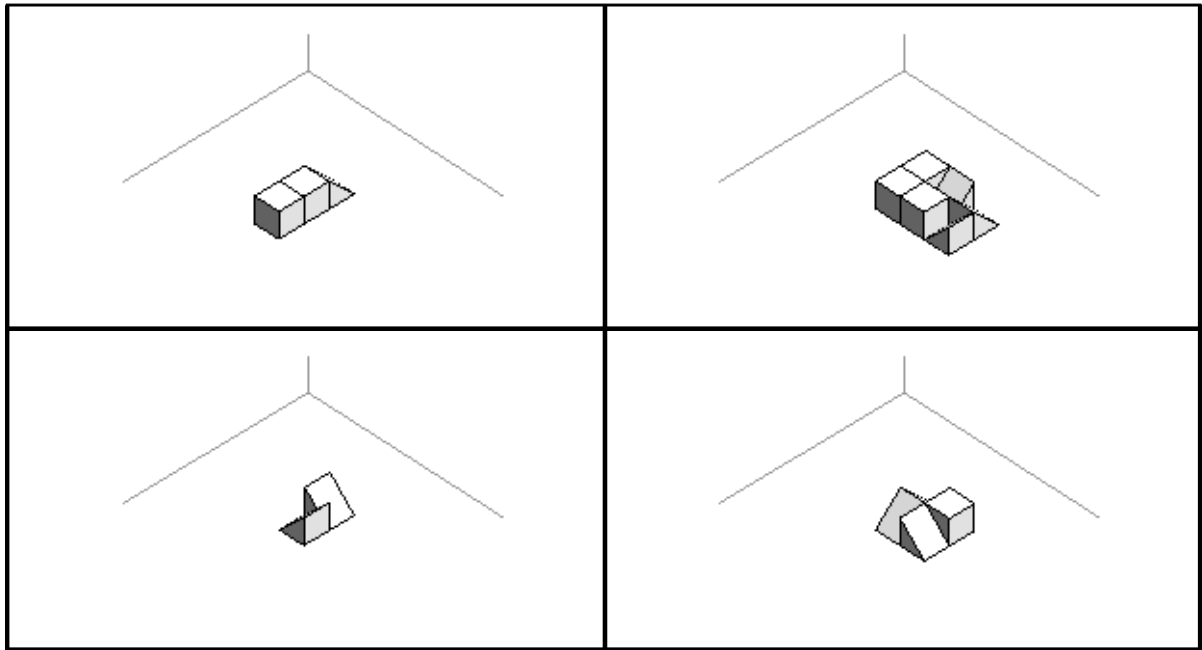
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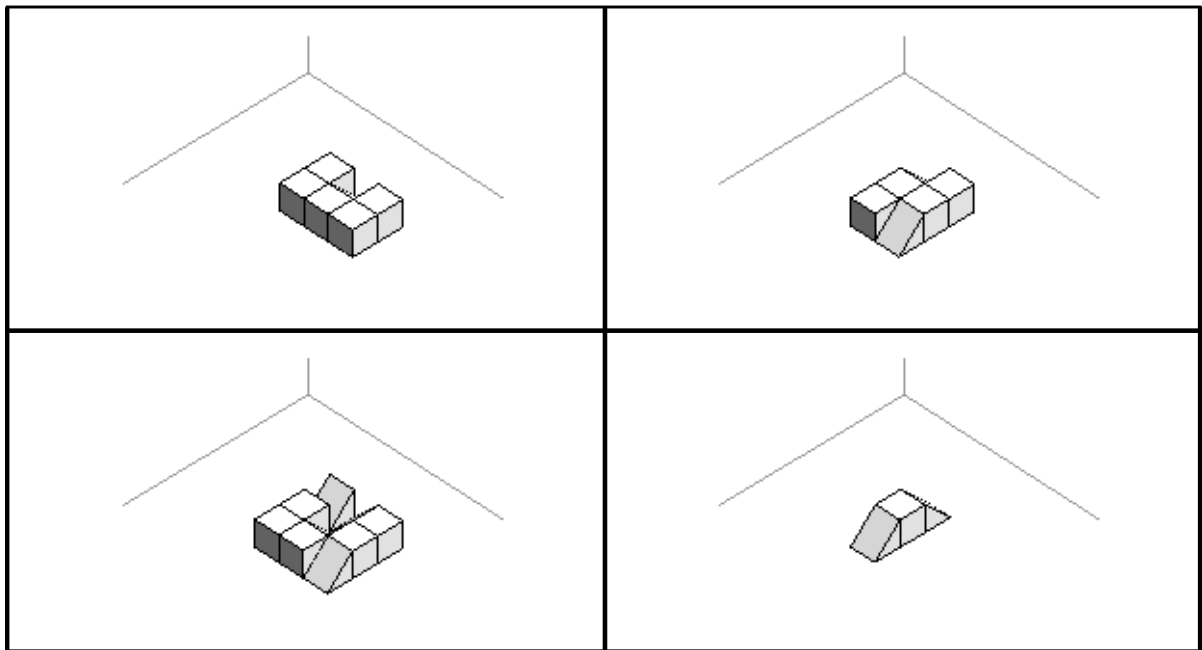
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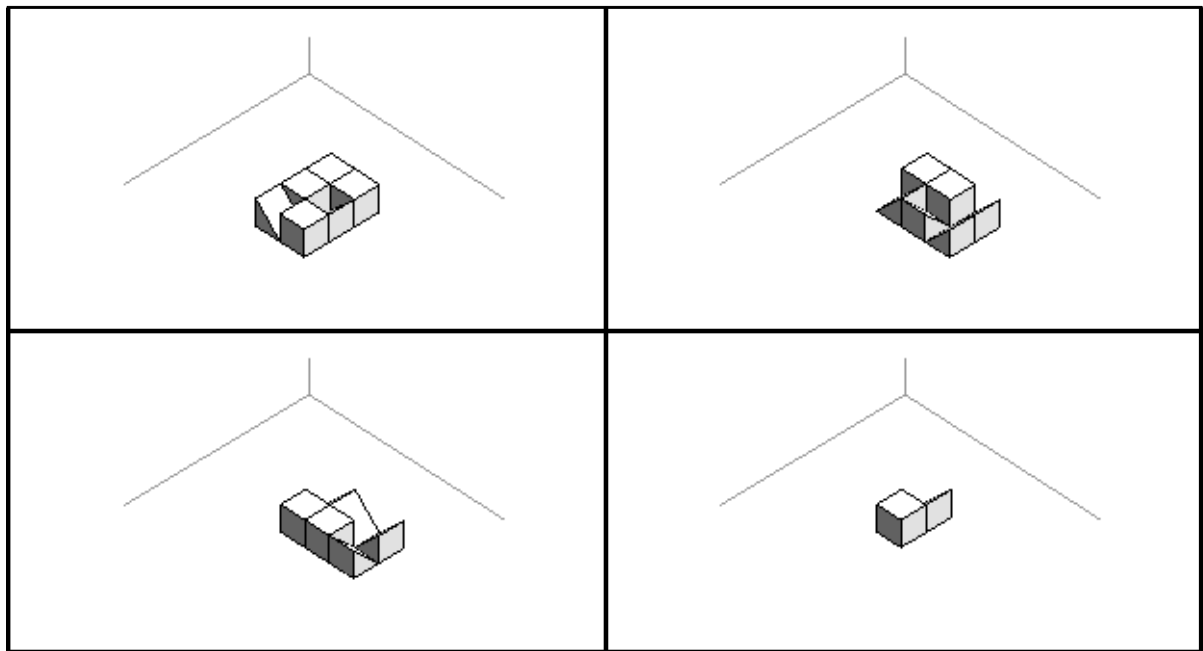
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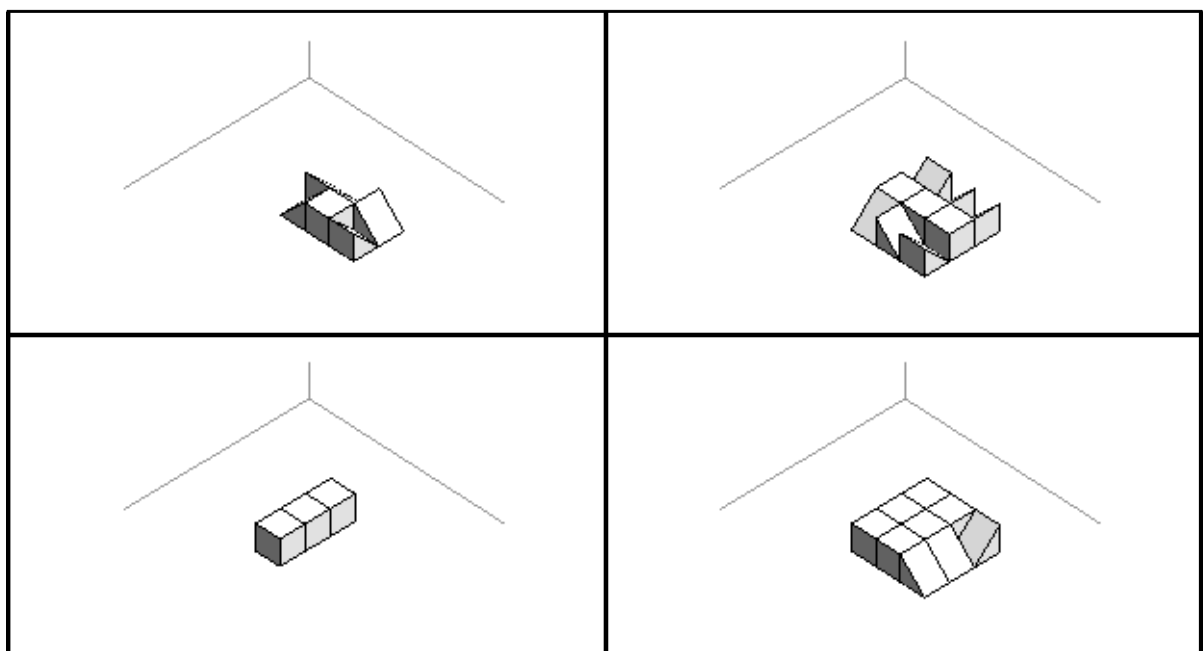
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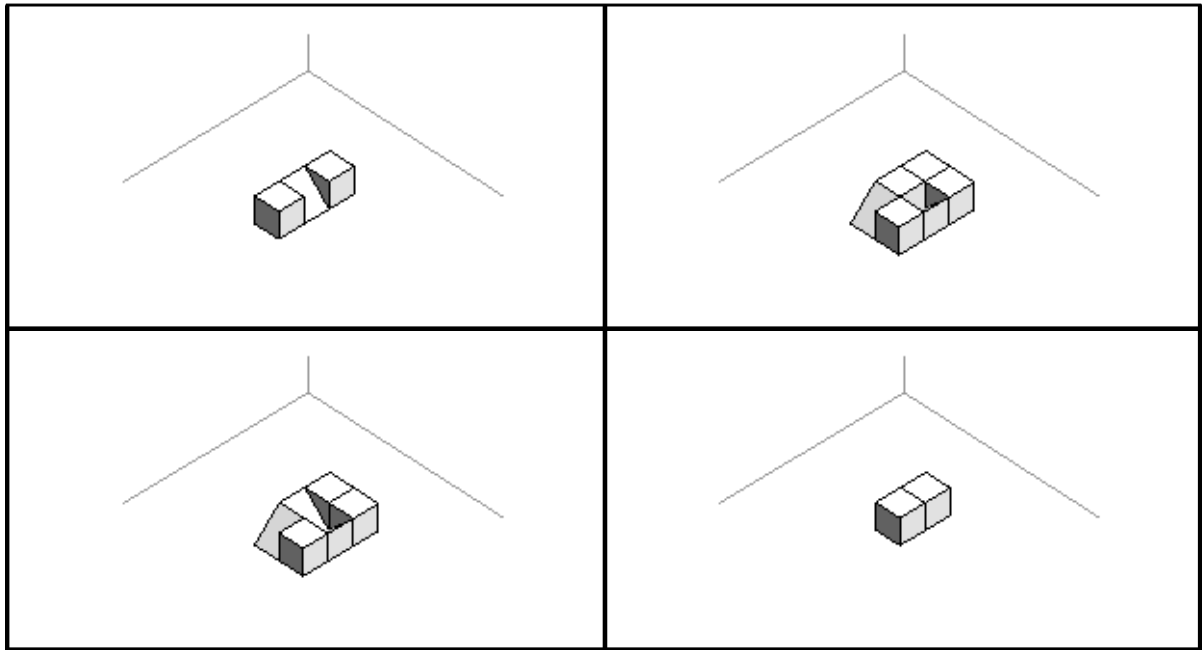
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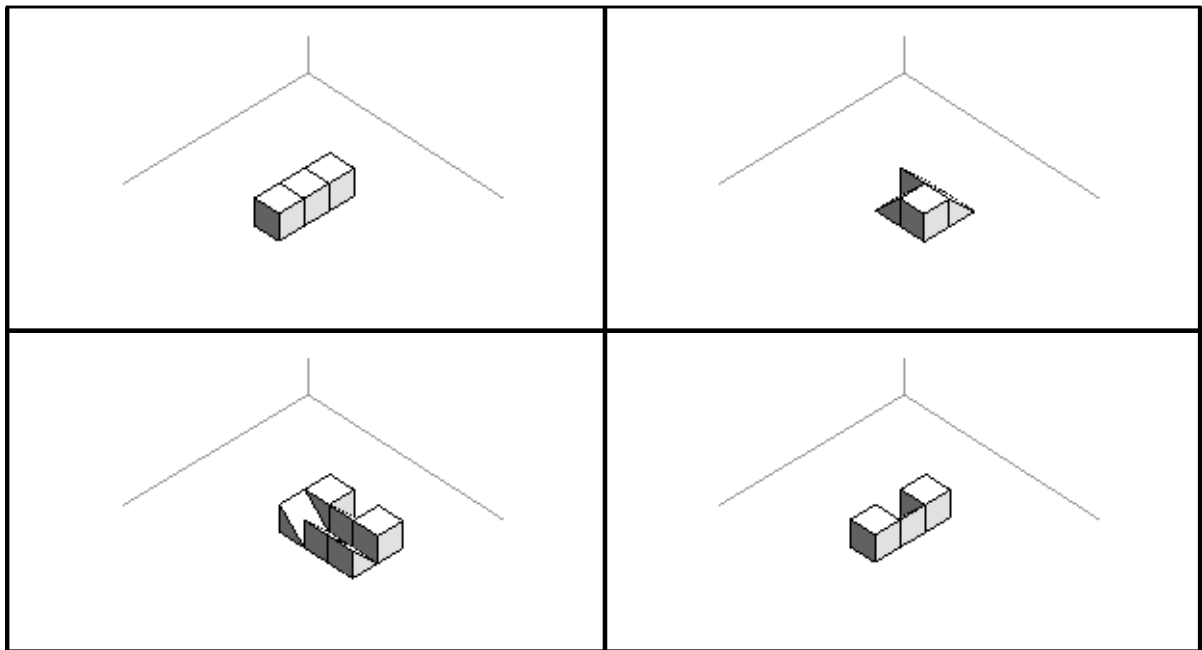
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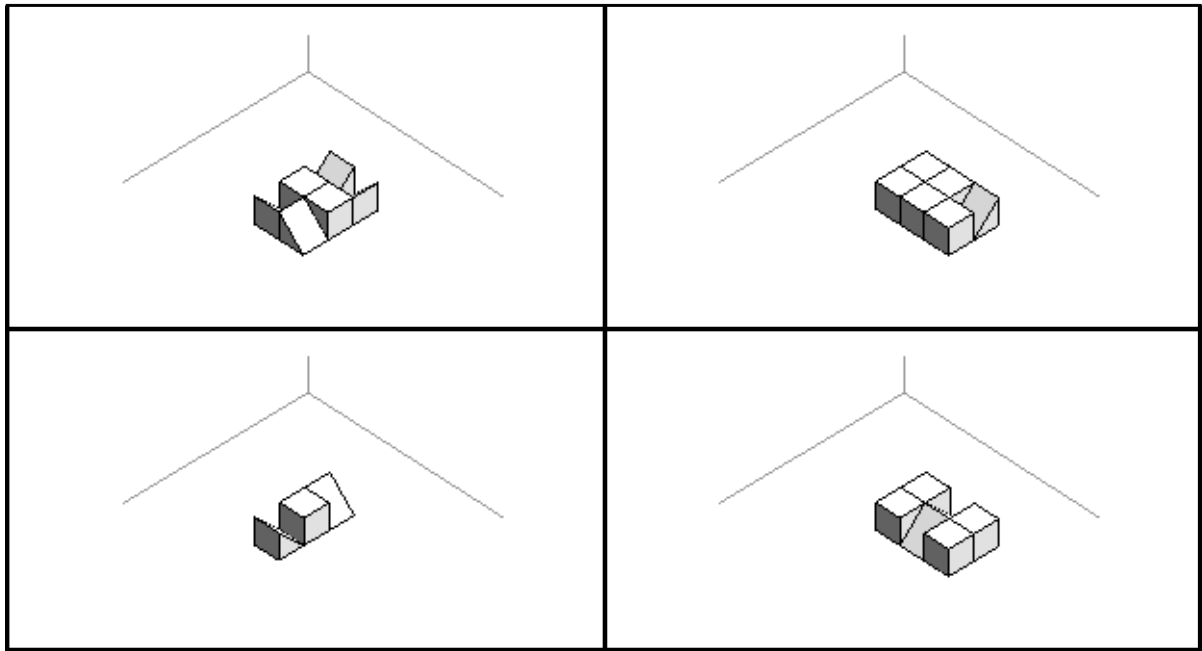
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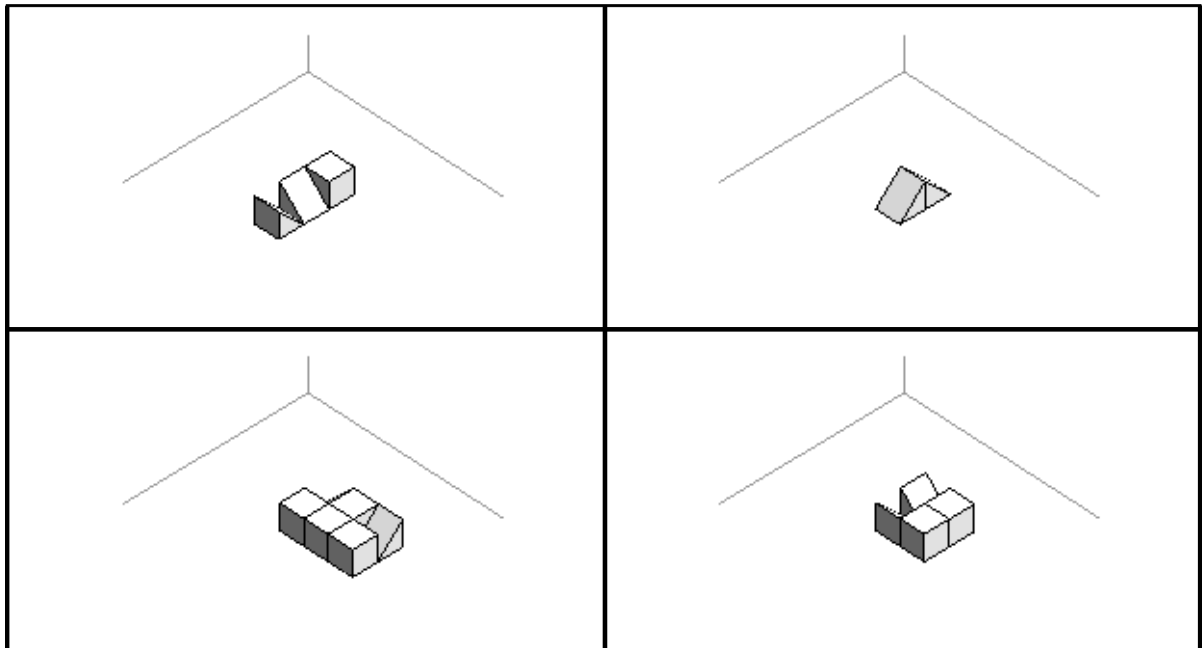
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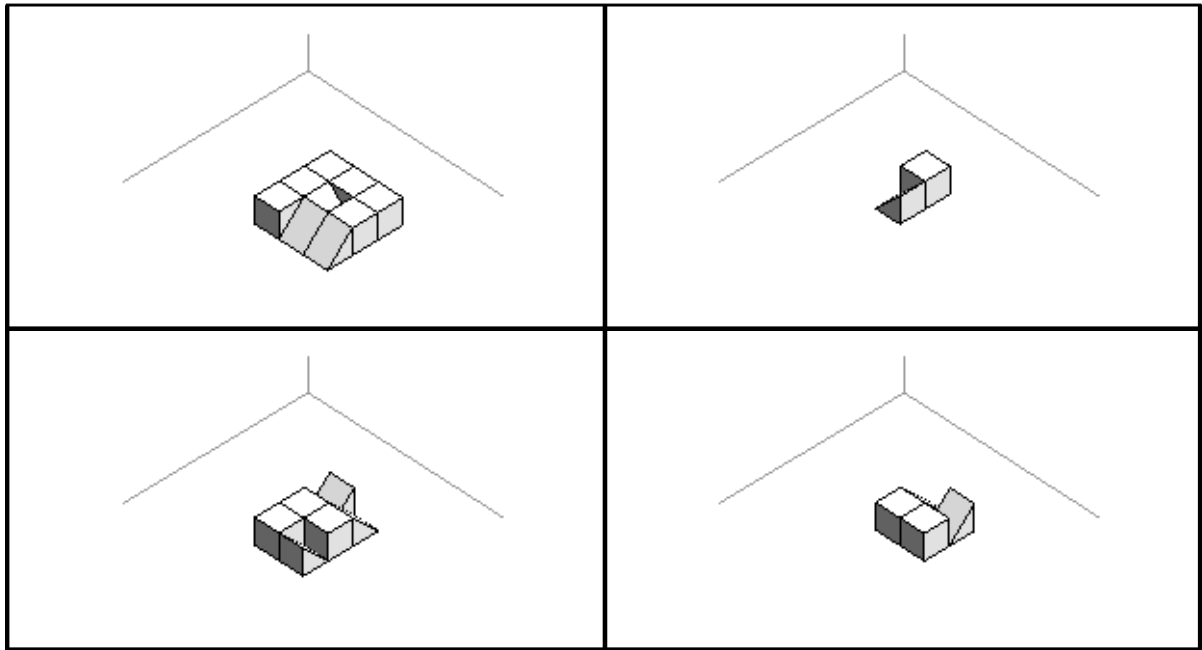
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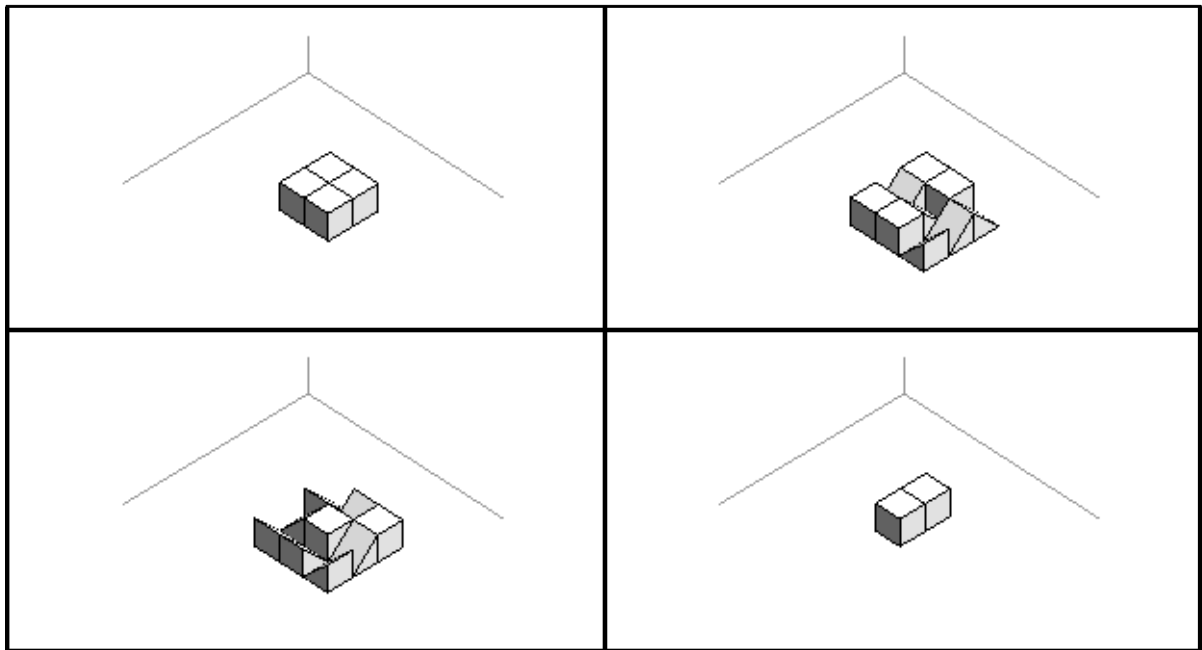
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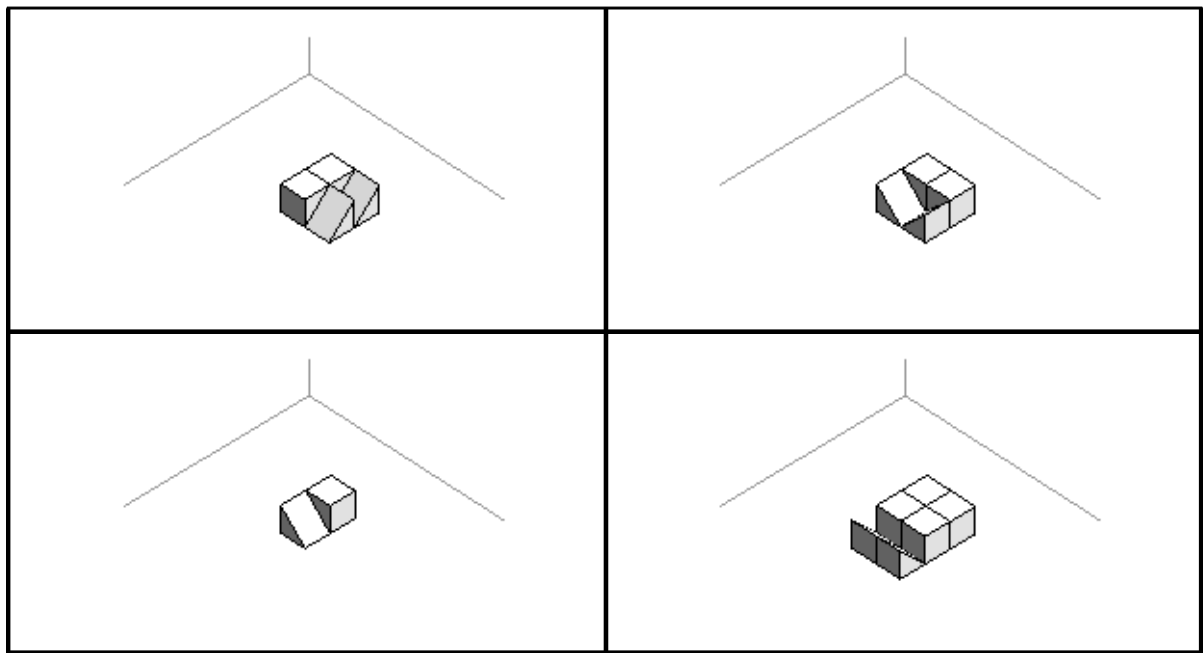
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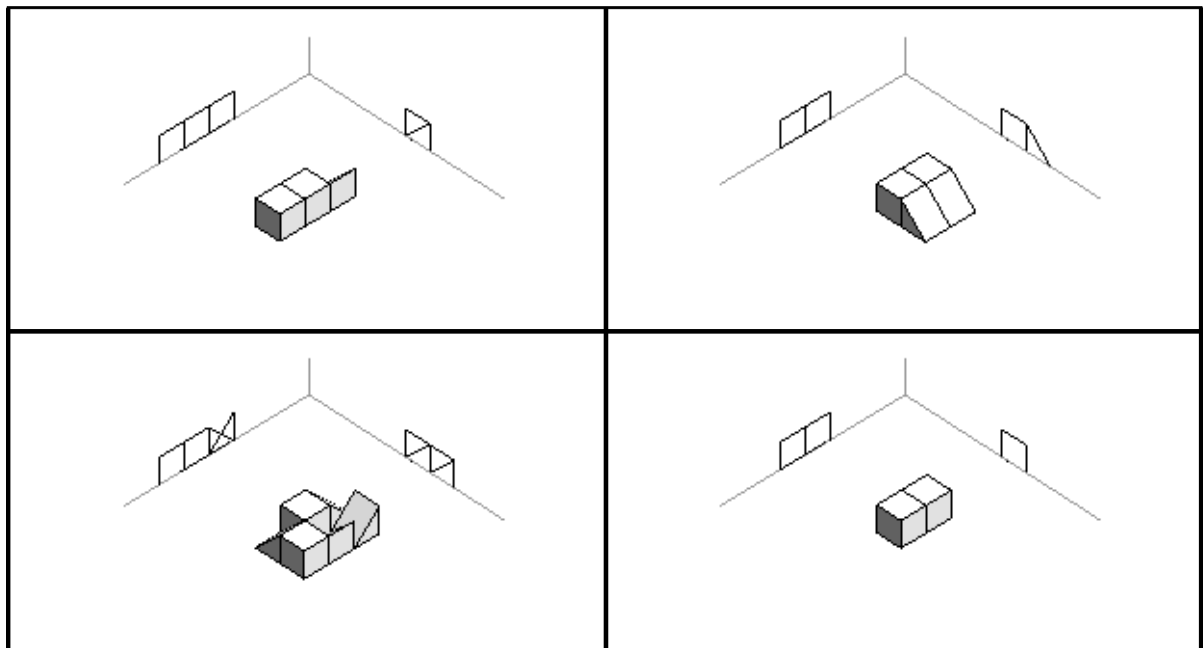


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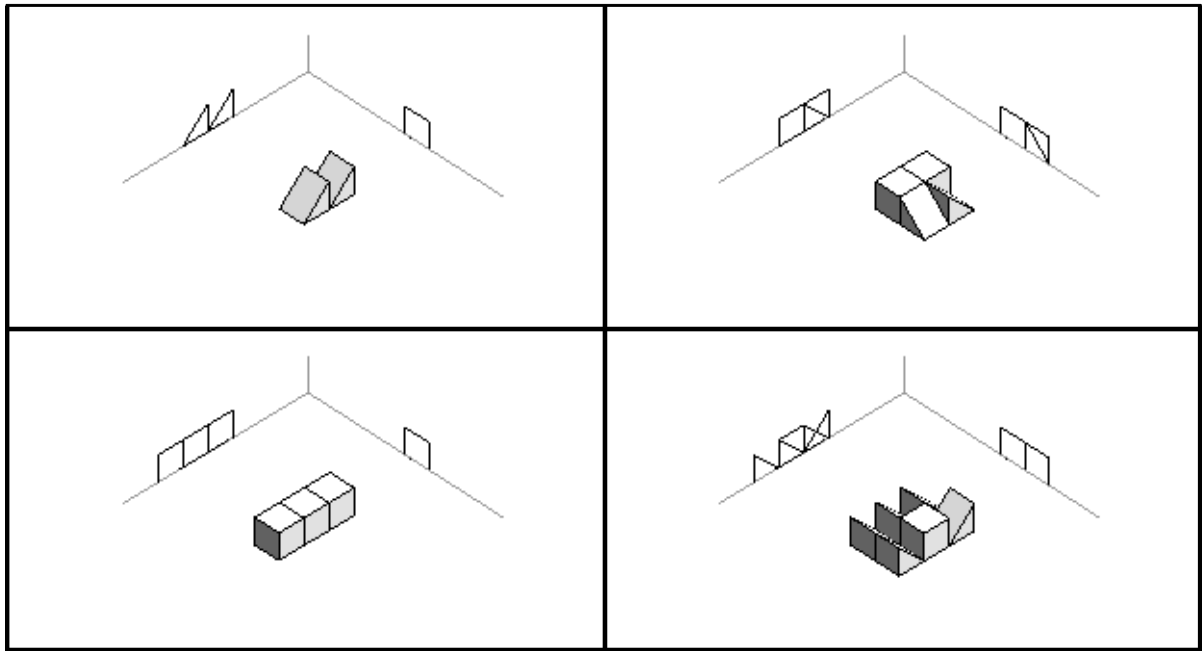


Solutions:

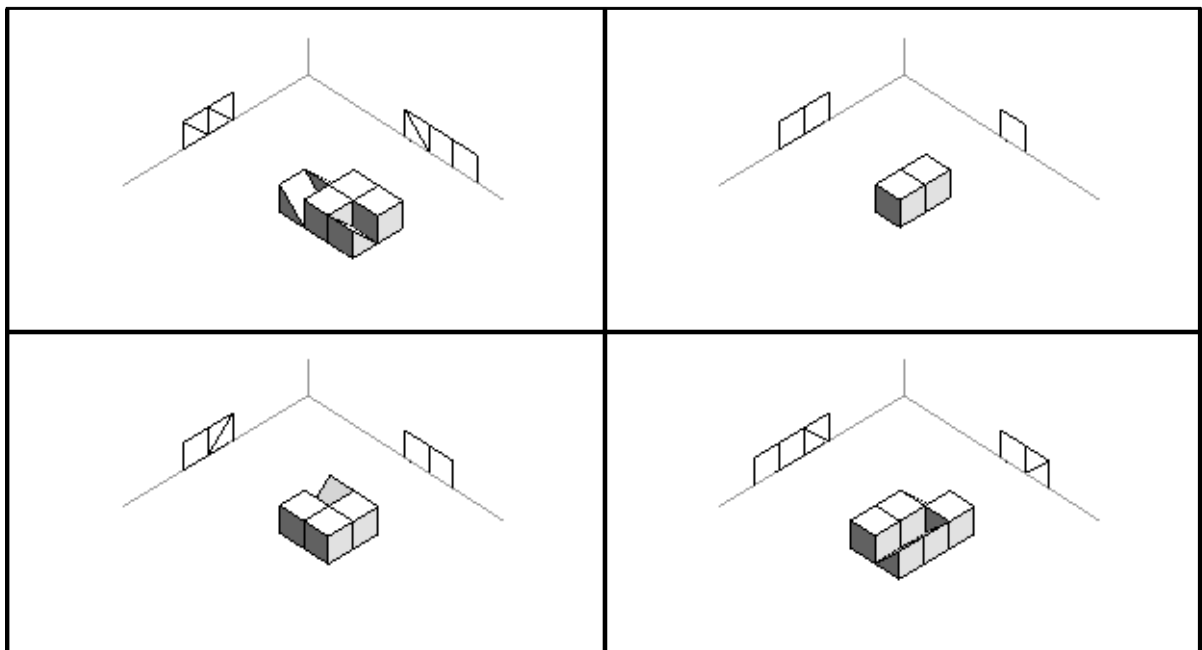
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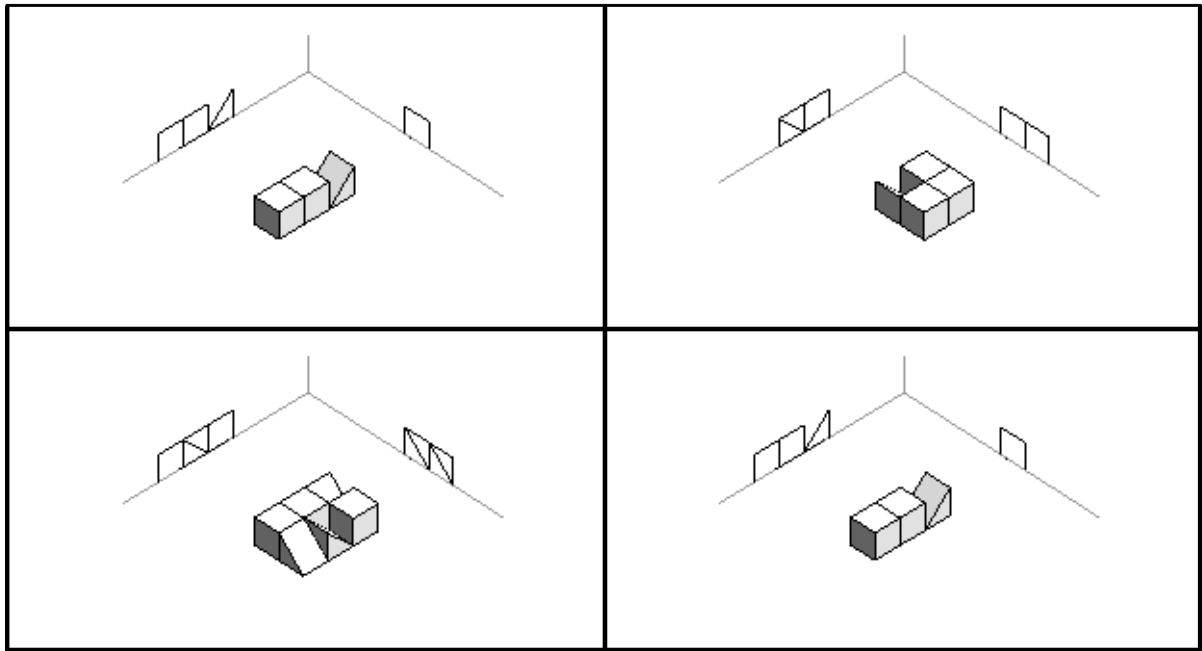
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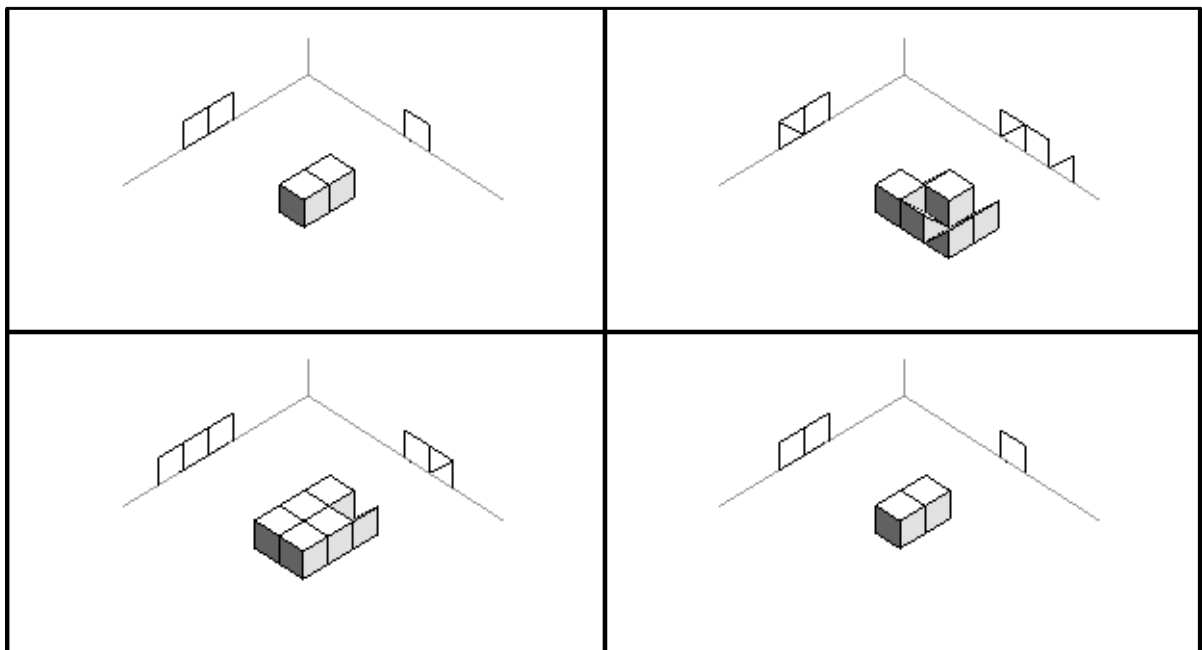
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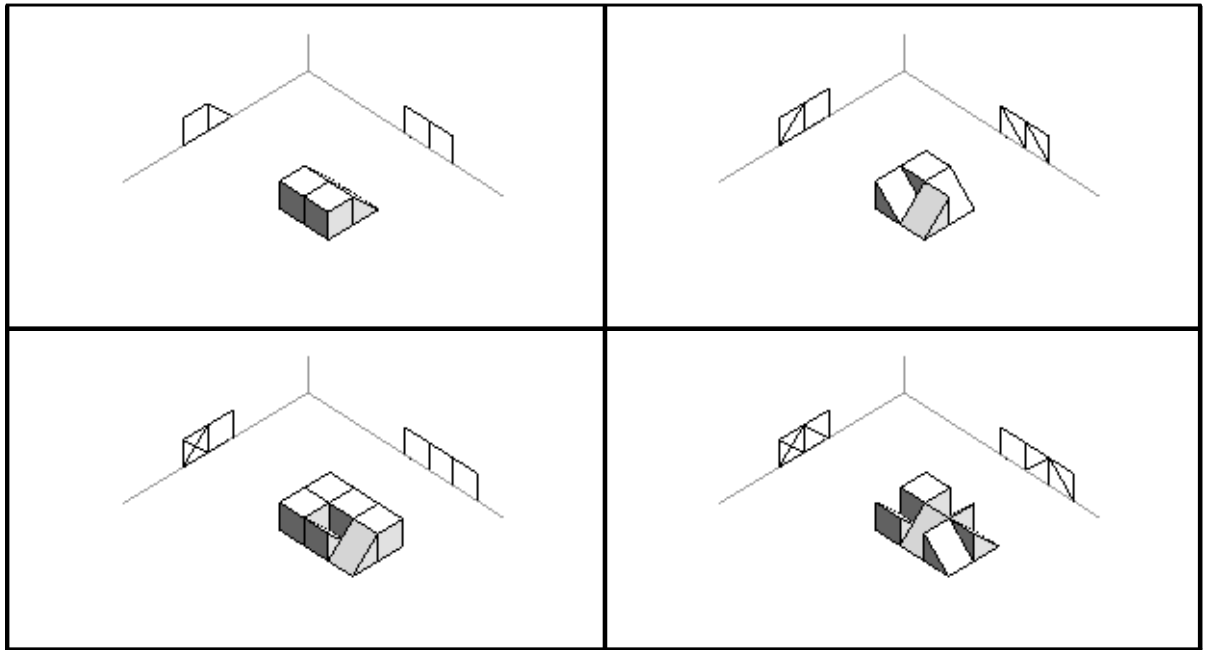
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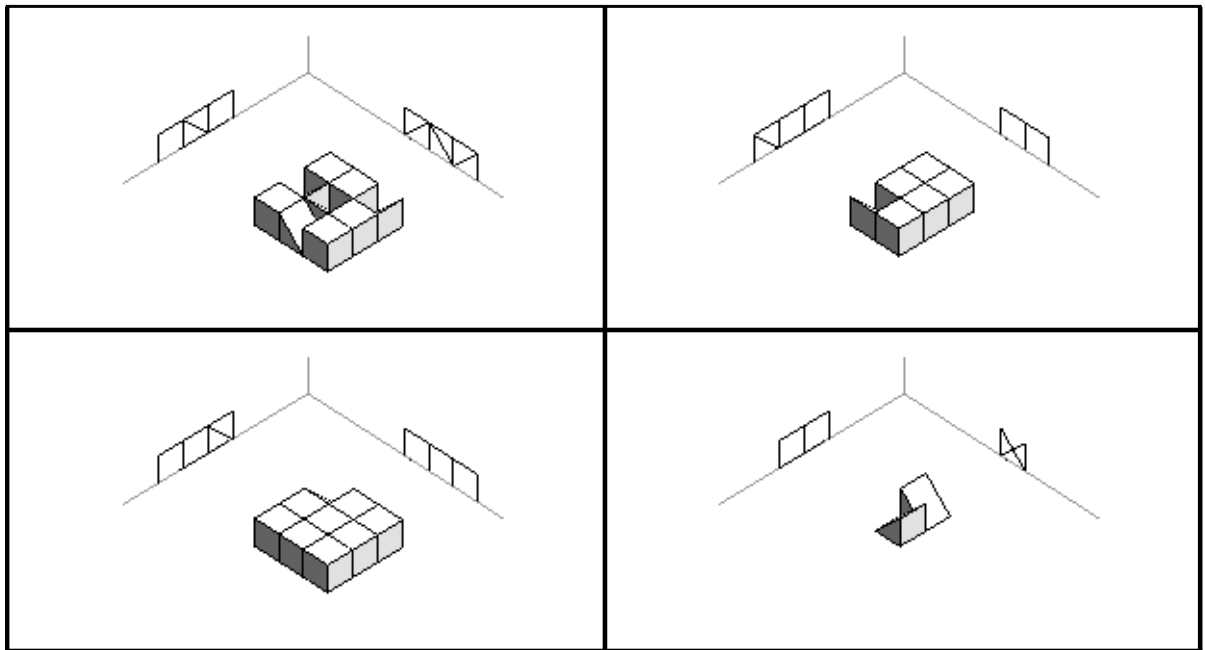
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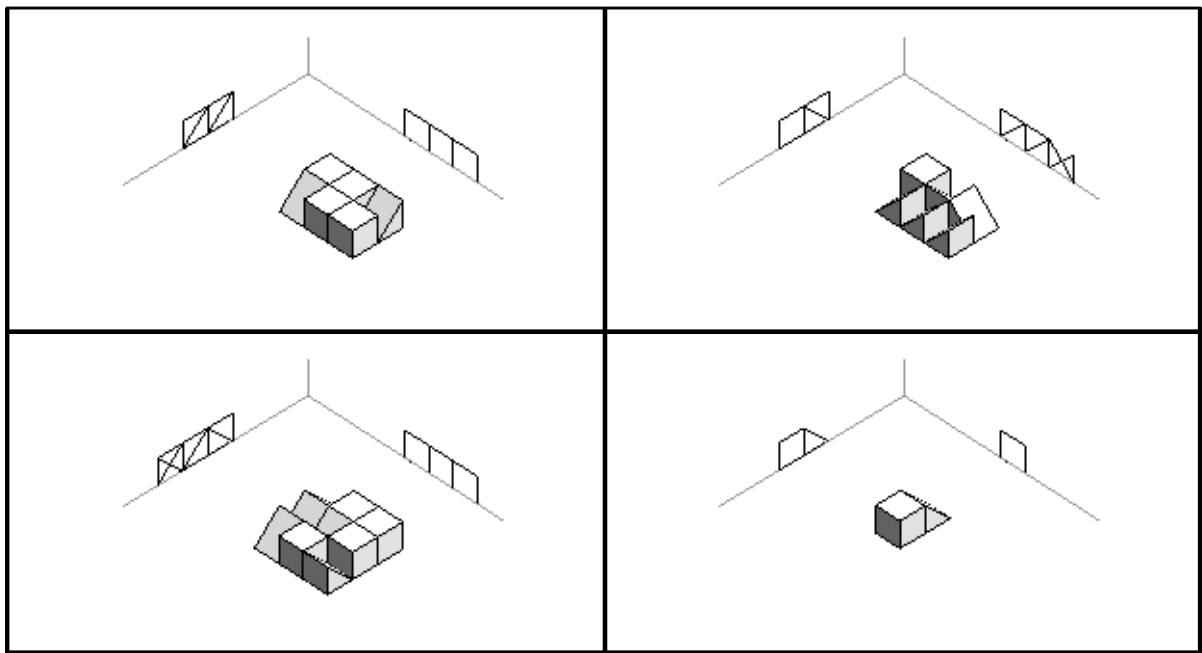
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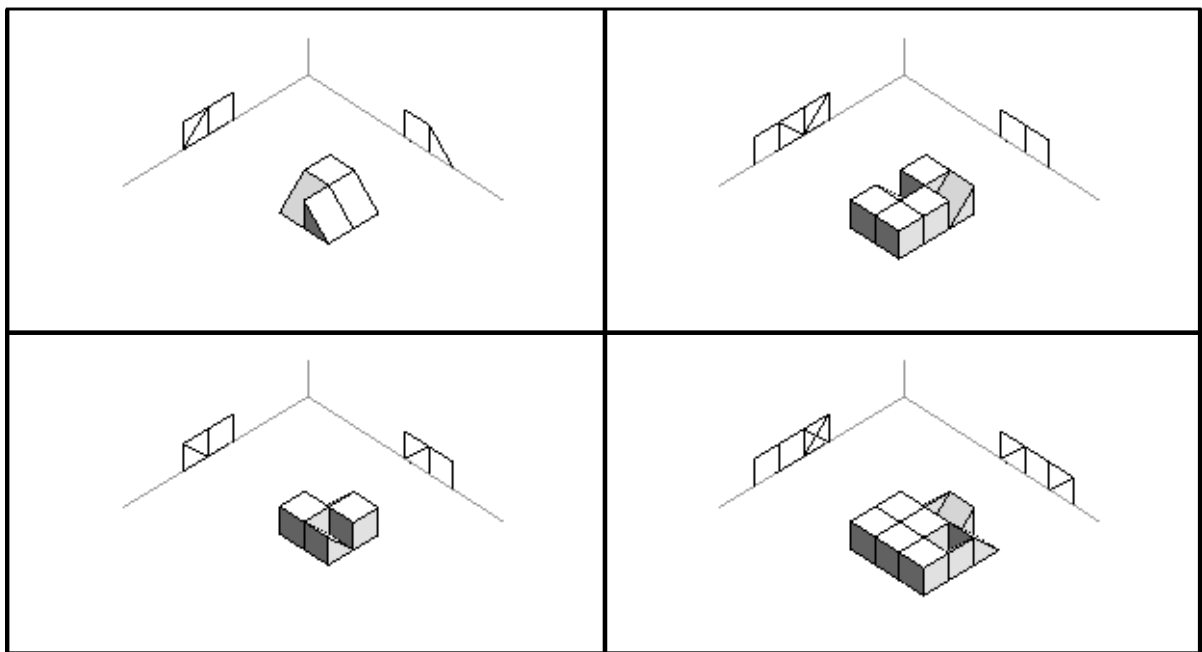
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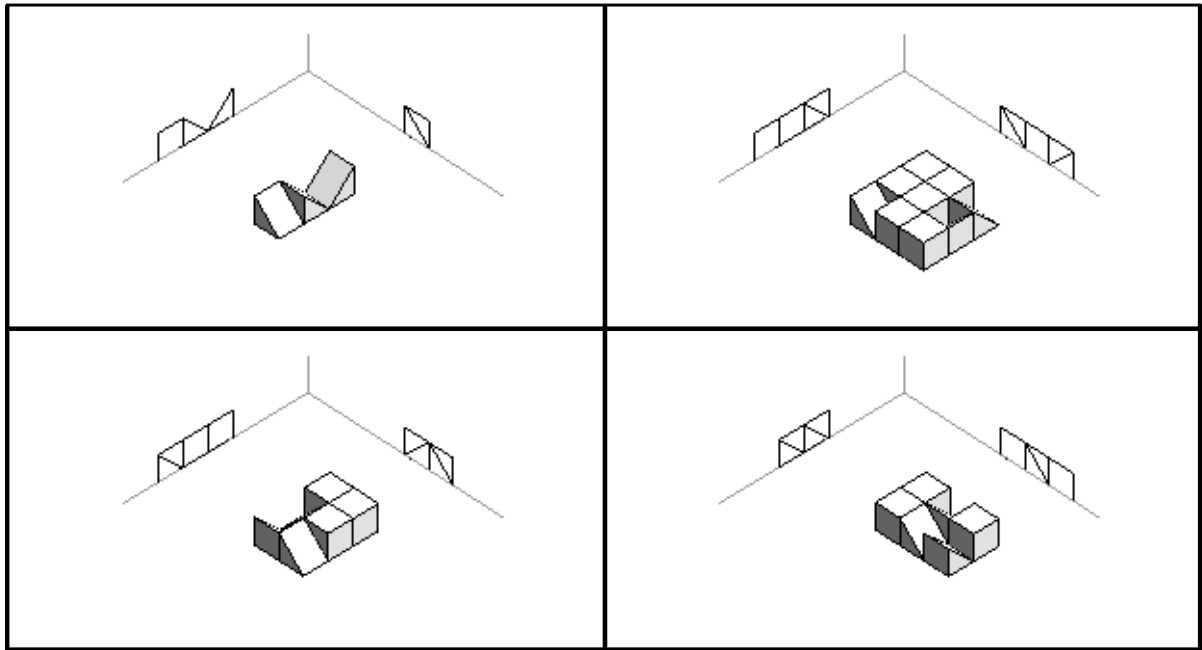
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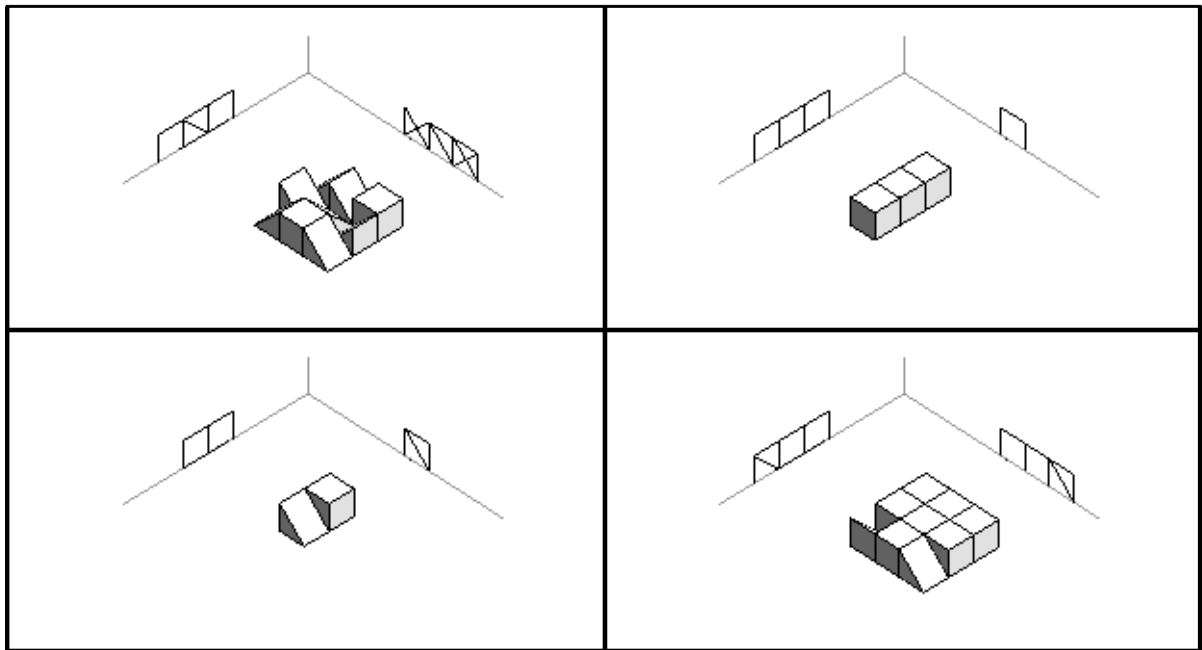
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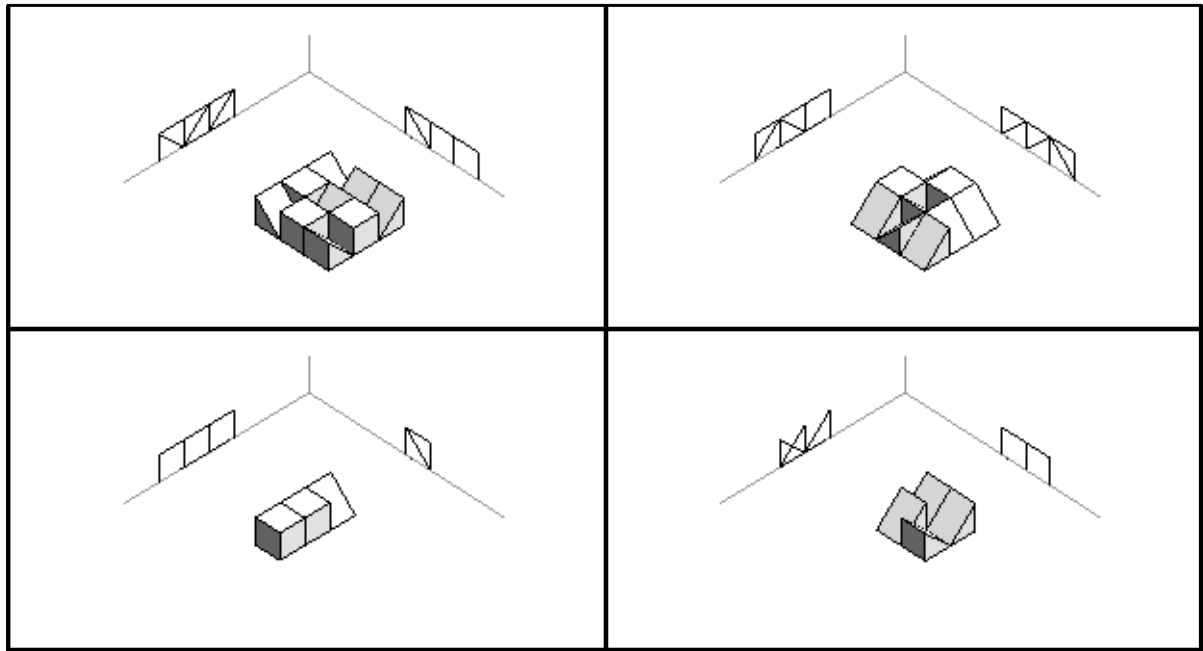
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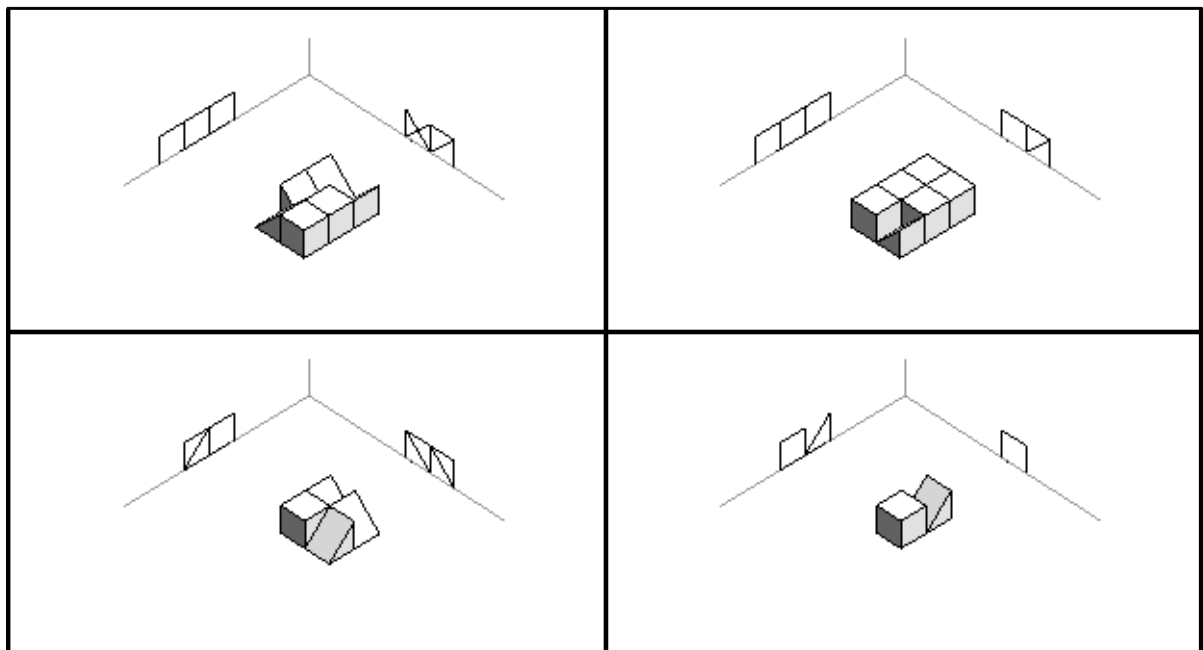
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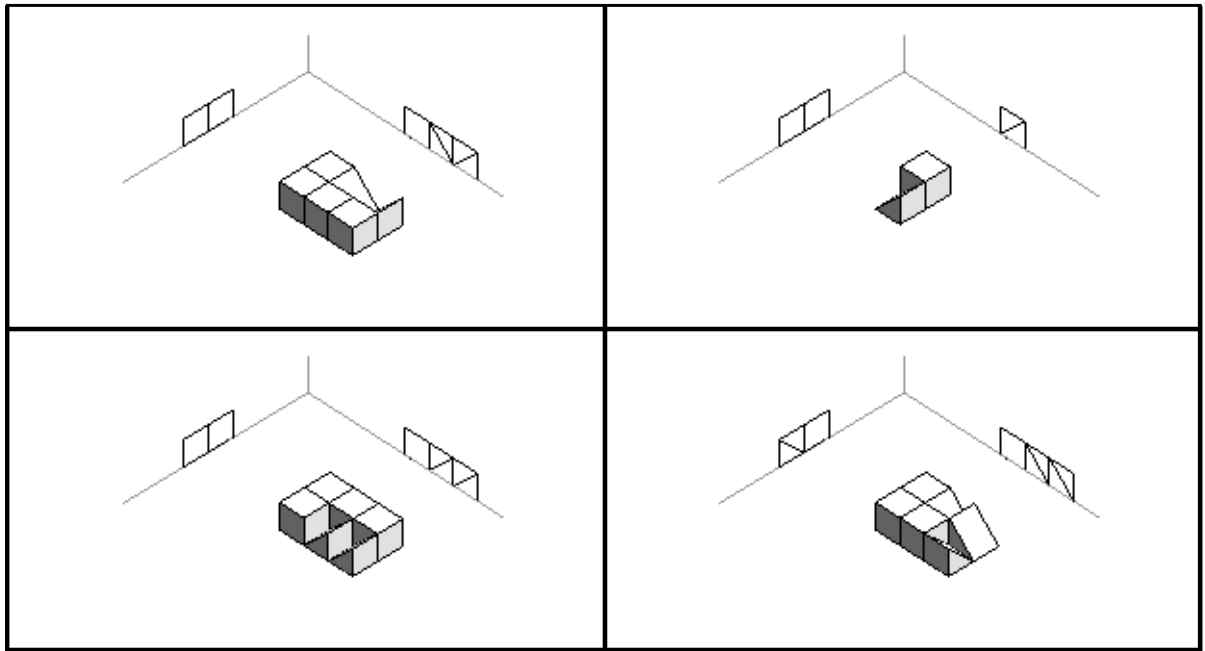
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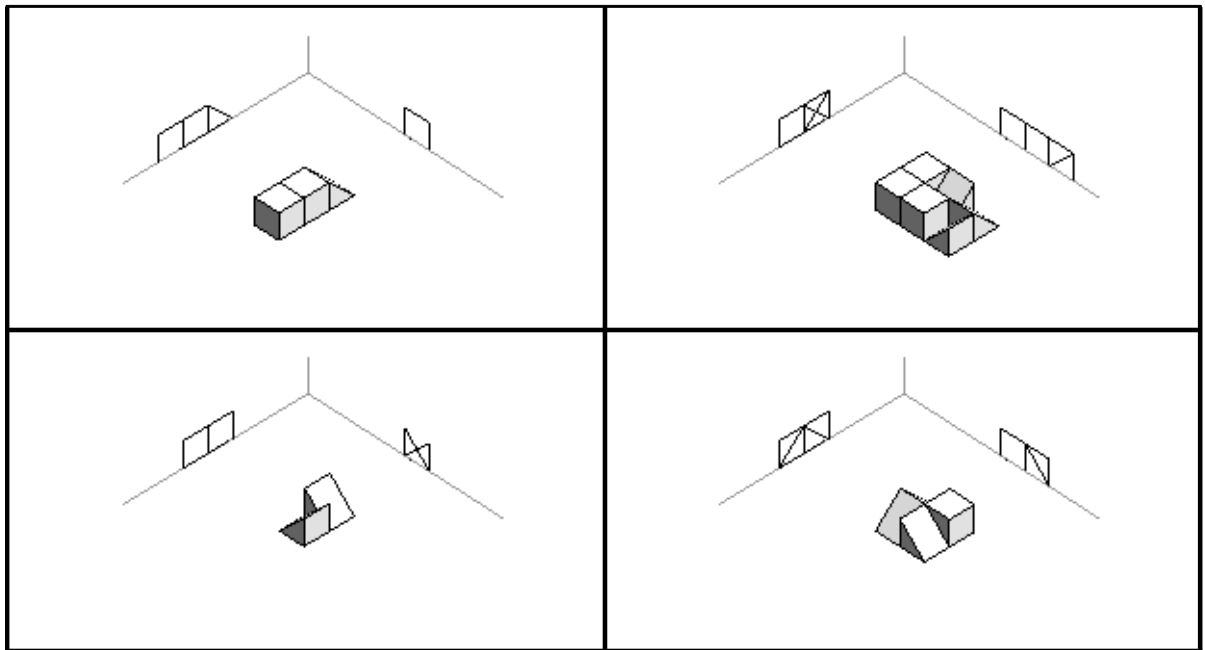
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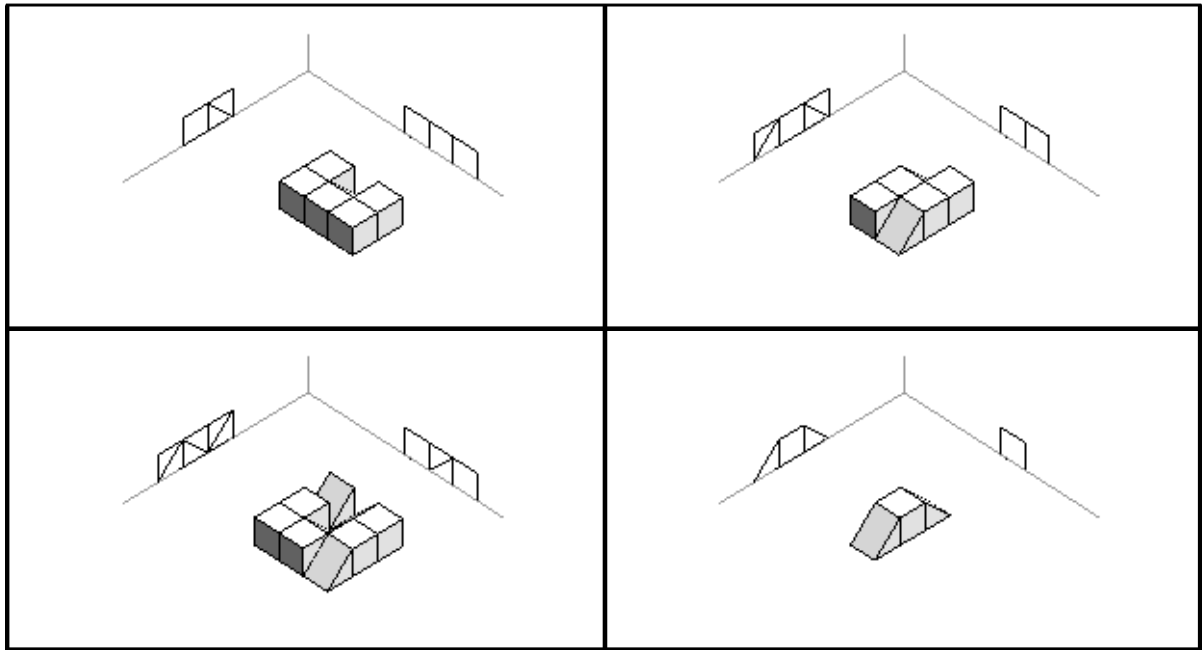
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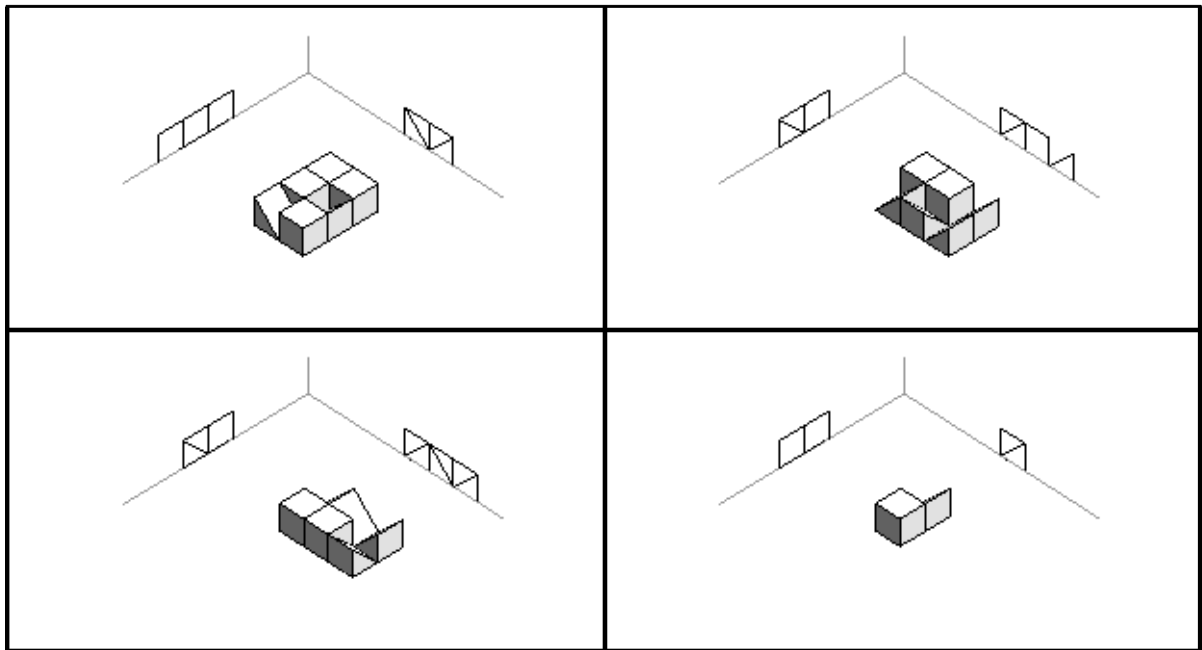
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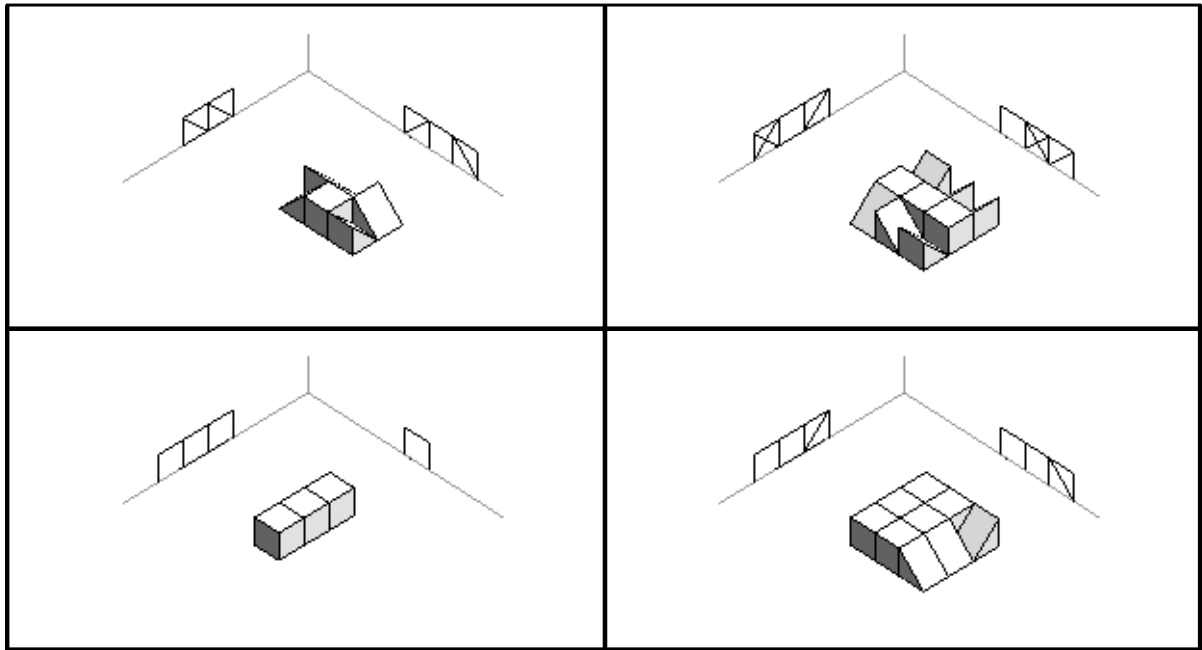
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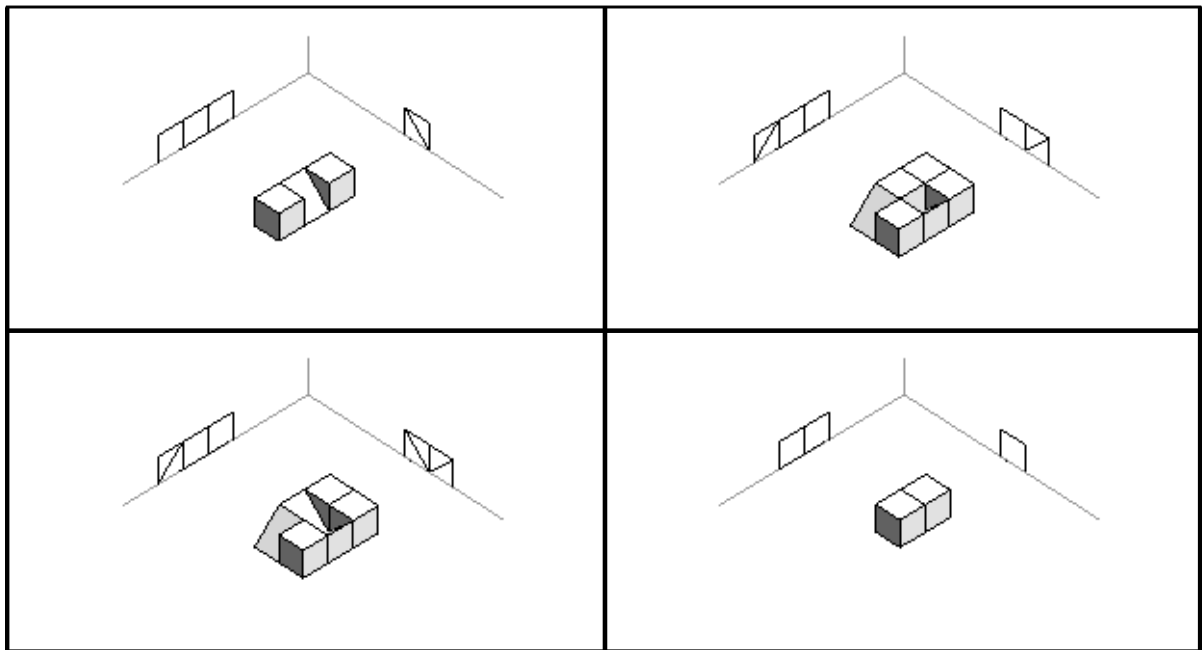
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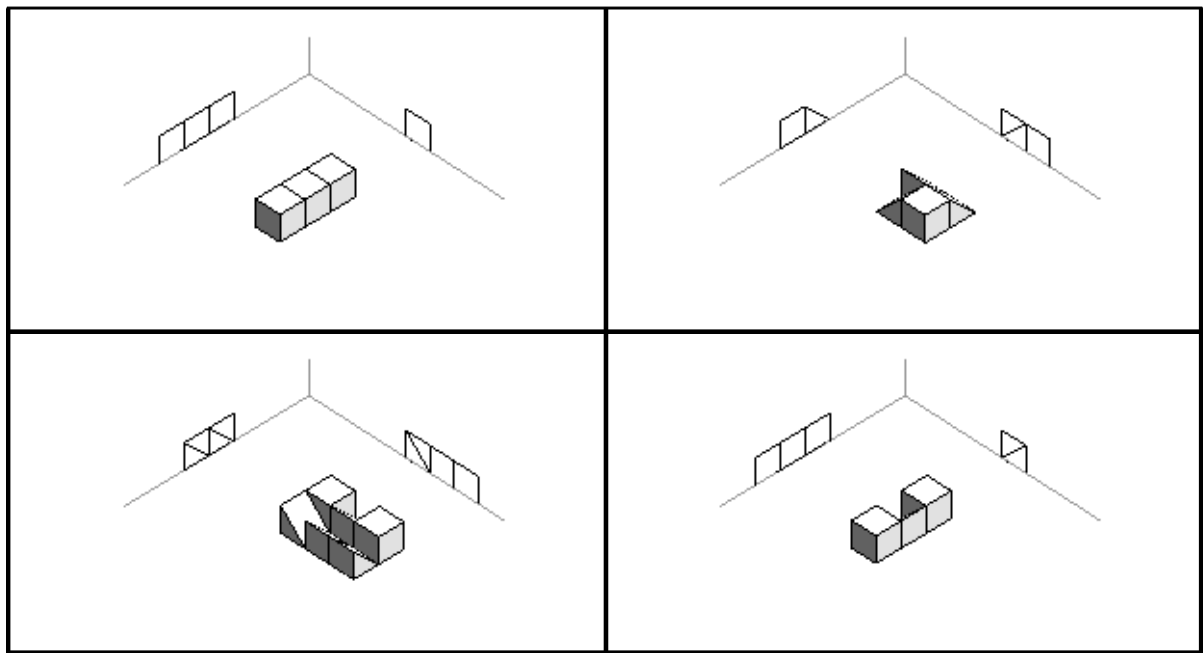
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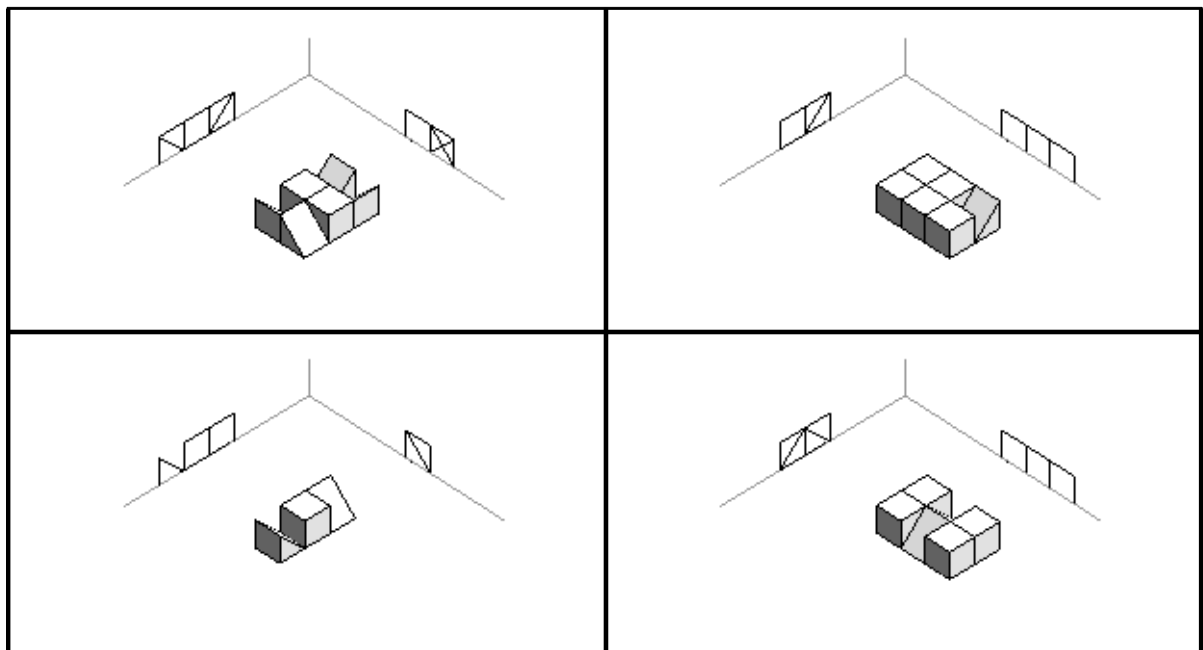
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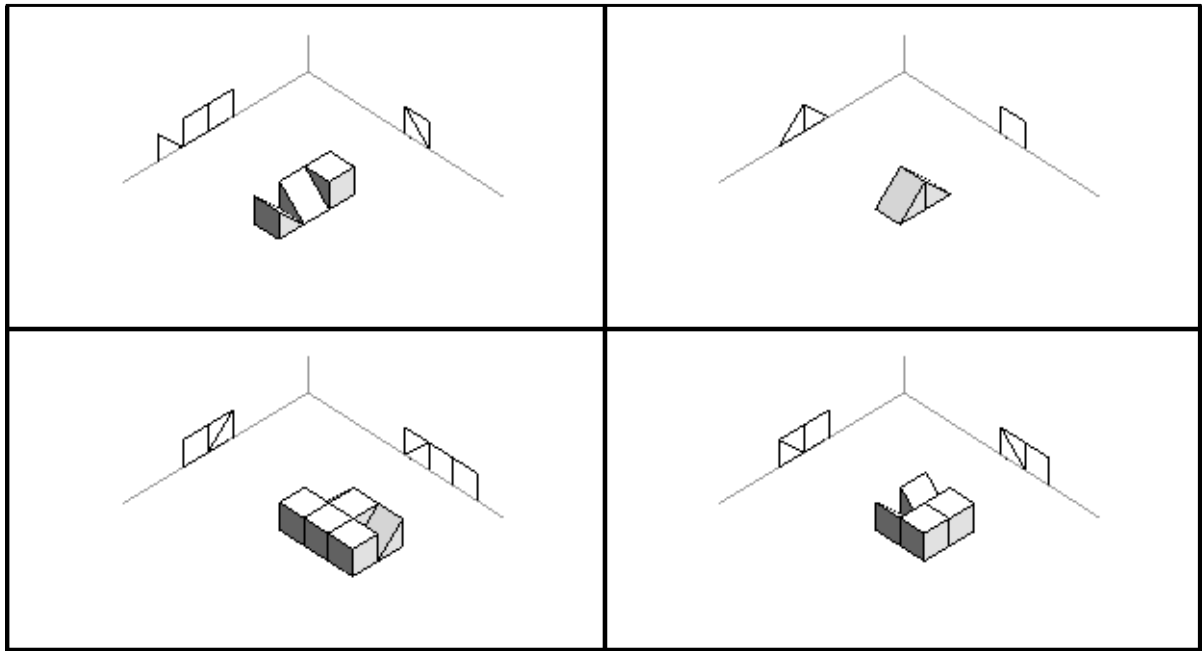
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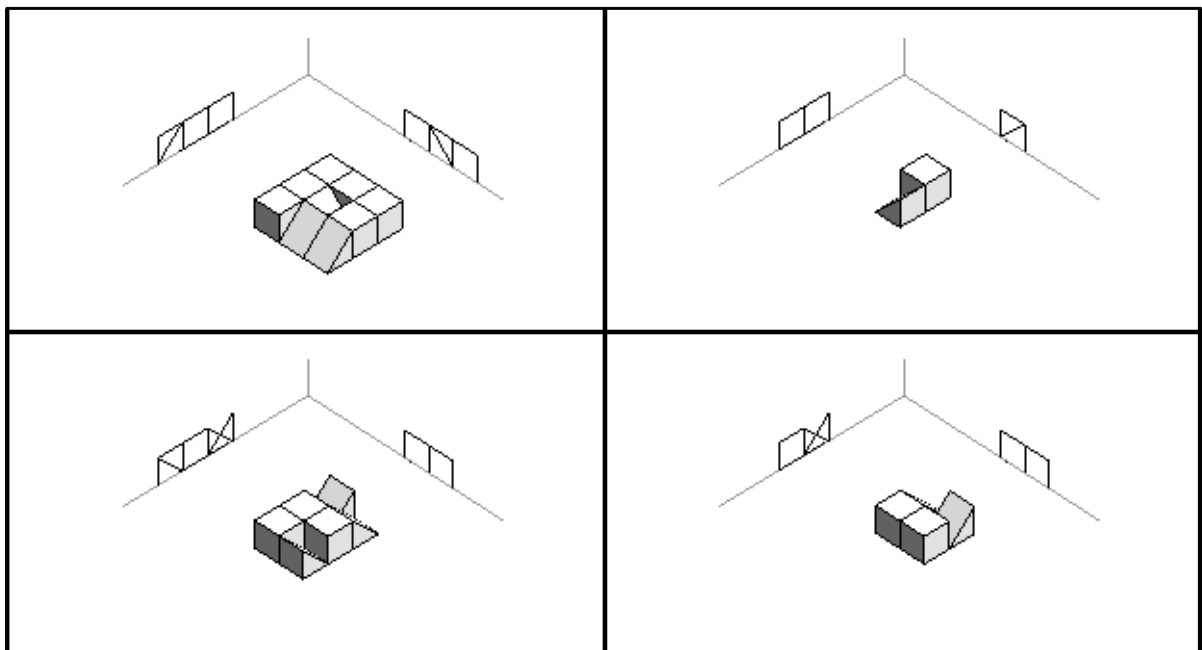
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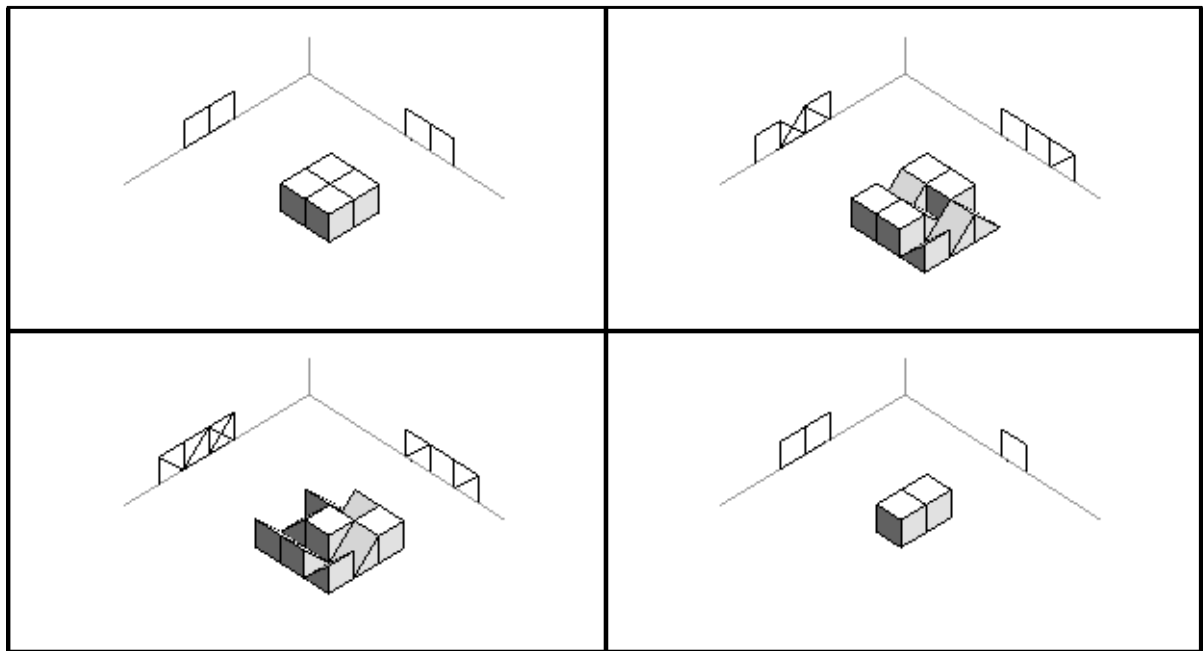
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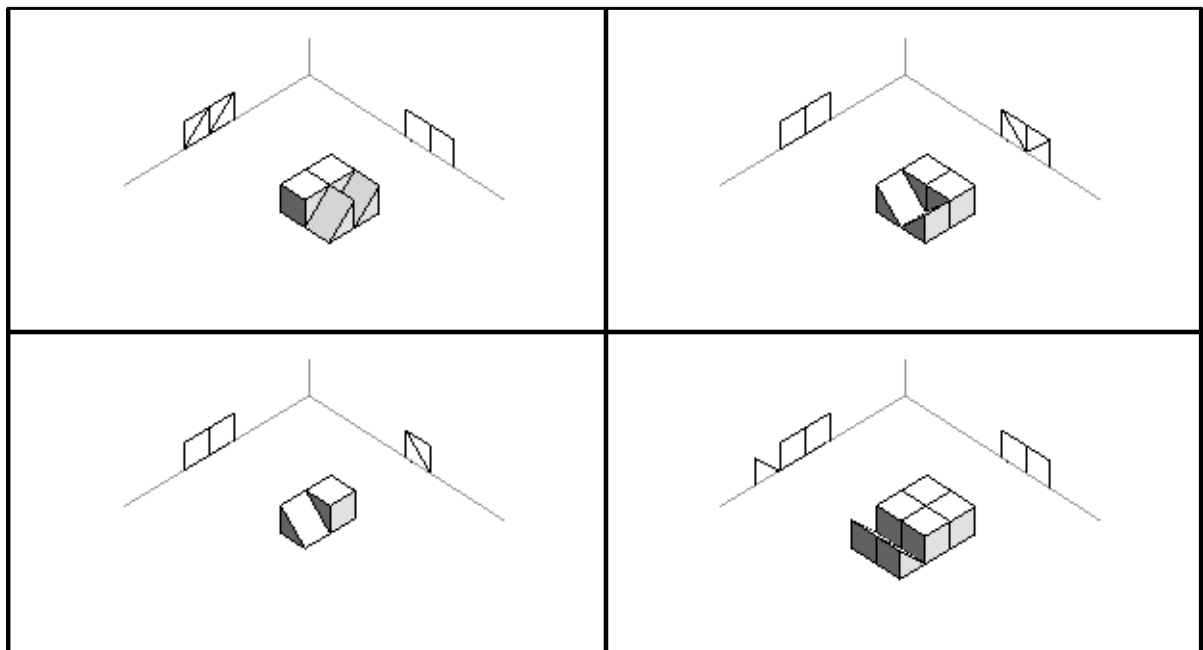
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24



25



Reference:

Izidor Hafner

"Deduce the Net for an Octahedral Die"

<http://demonstrations.wolfram.com/DeduceTheNetForAnOctahedralDie/Wolfram>

Demonstrations Project

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