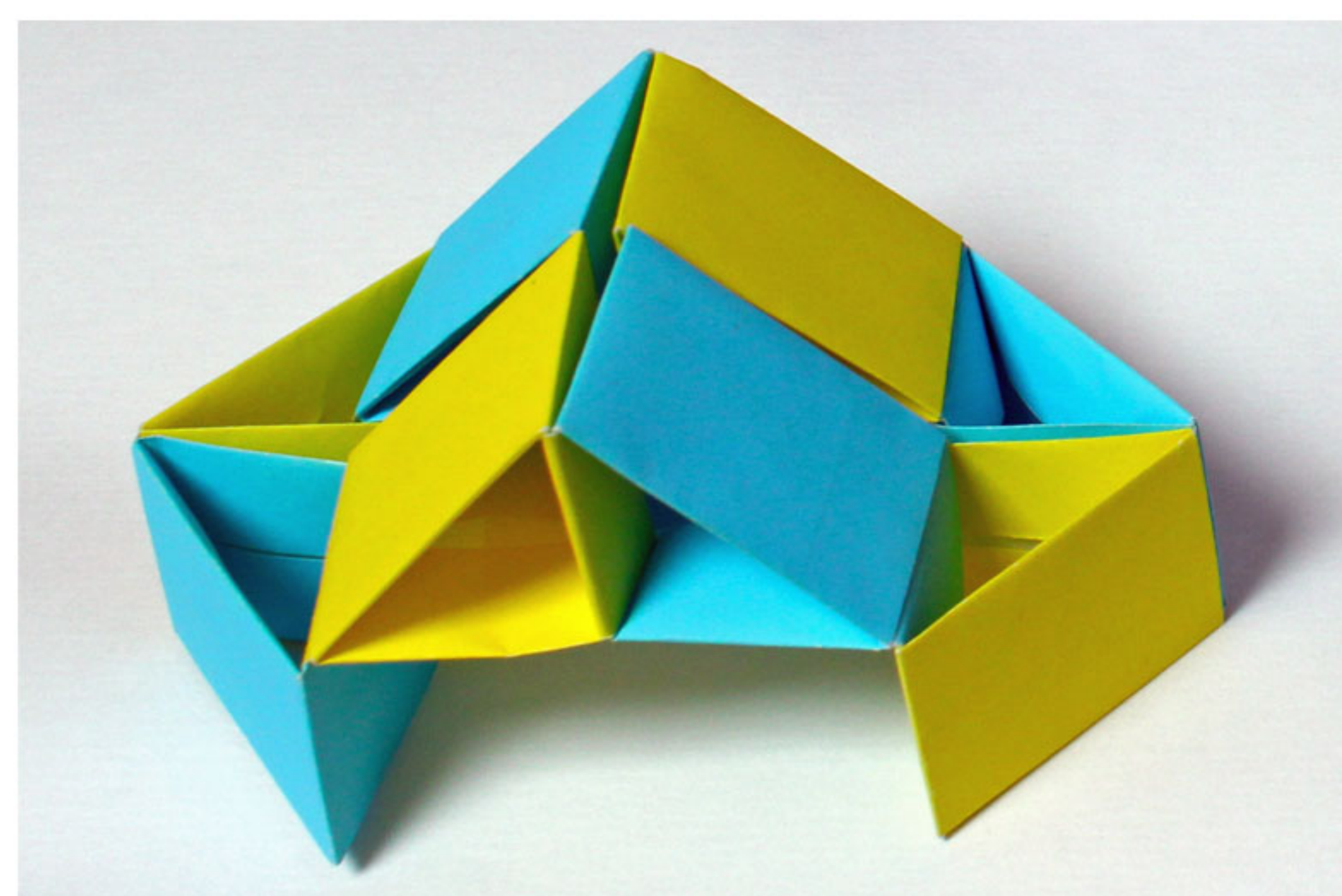


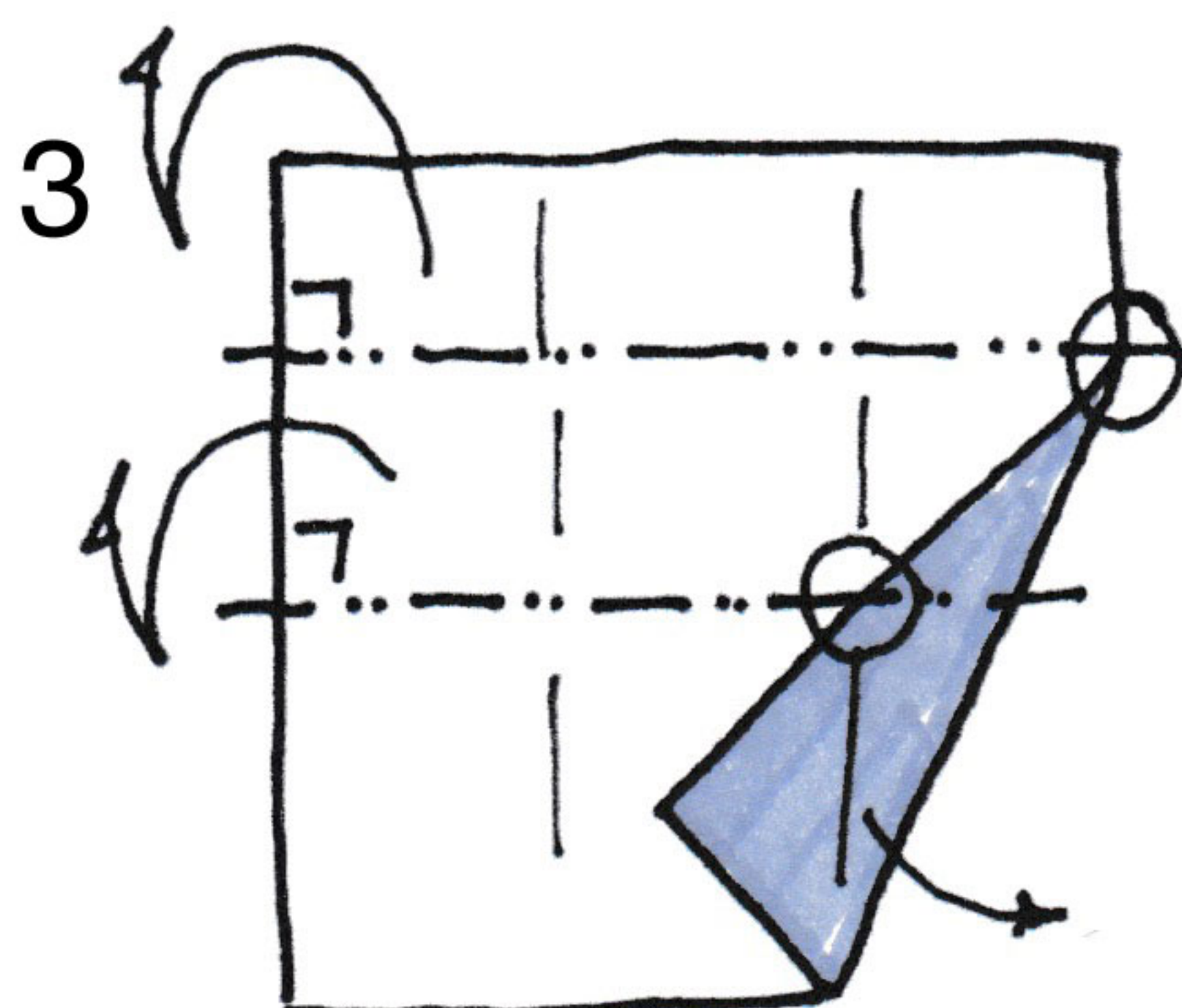
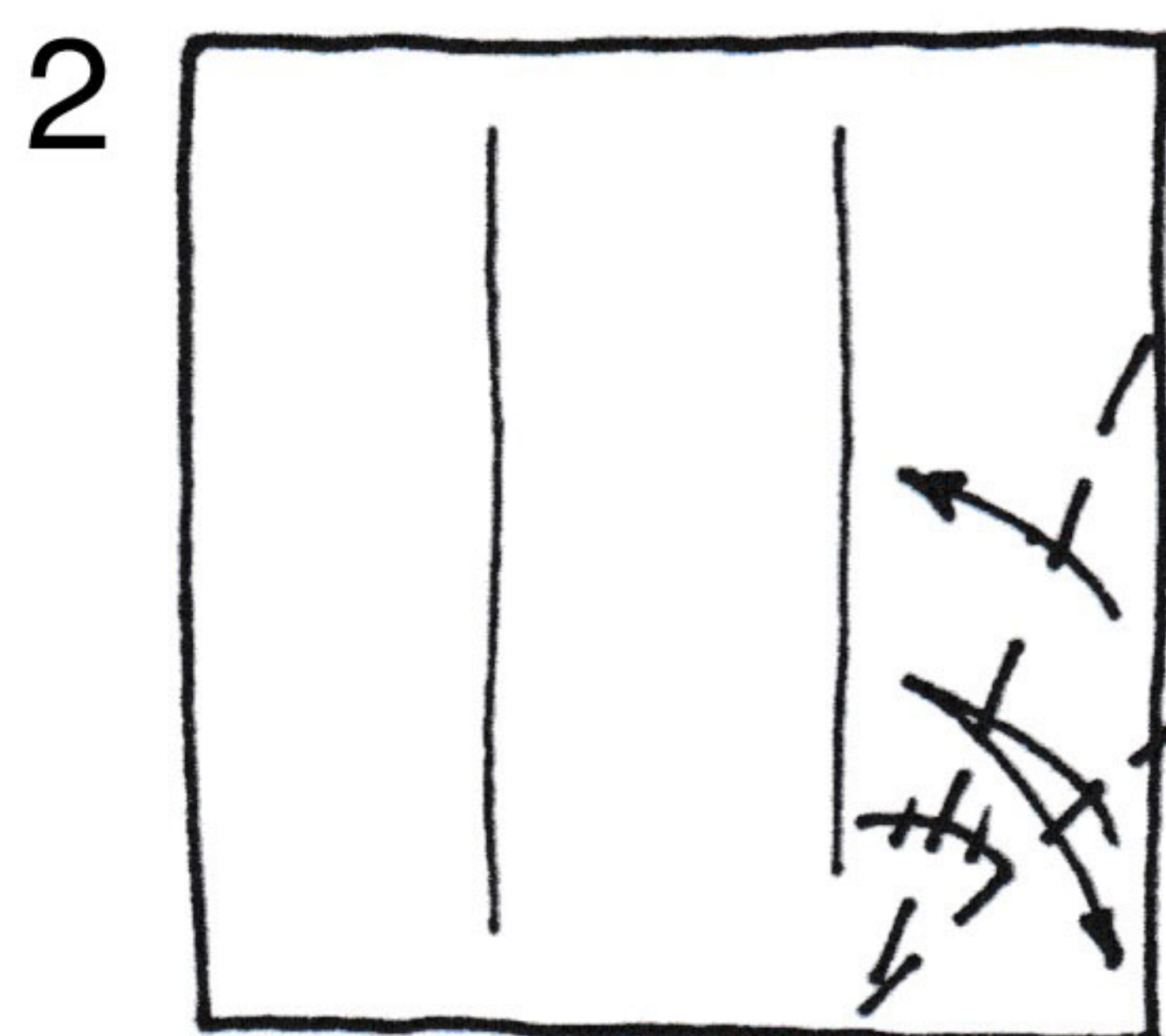
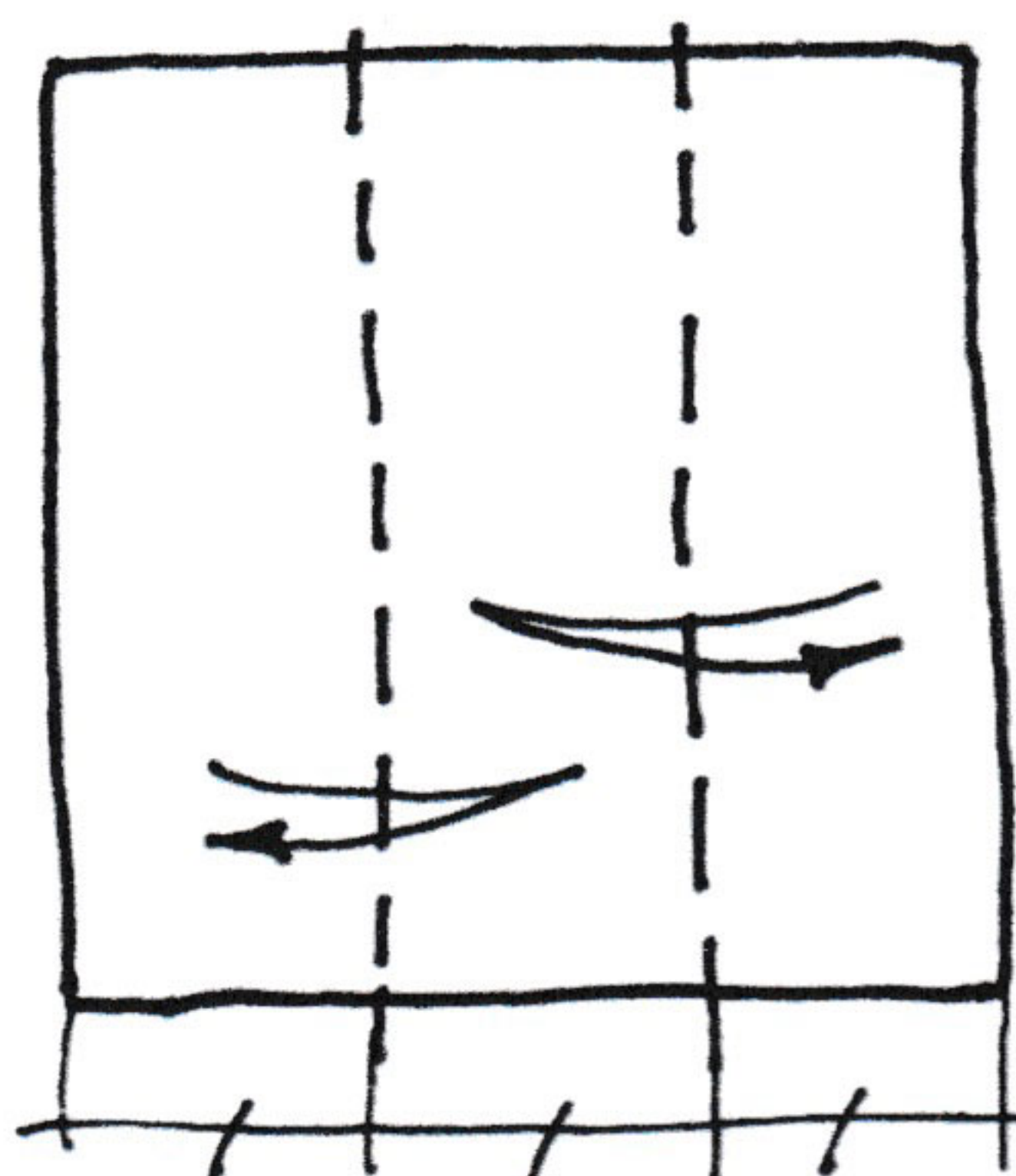
Triangle Flexicube

by Dave Brill© 2015

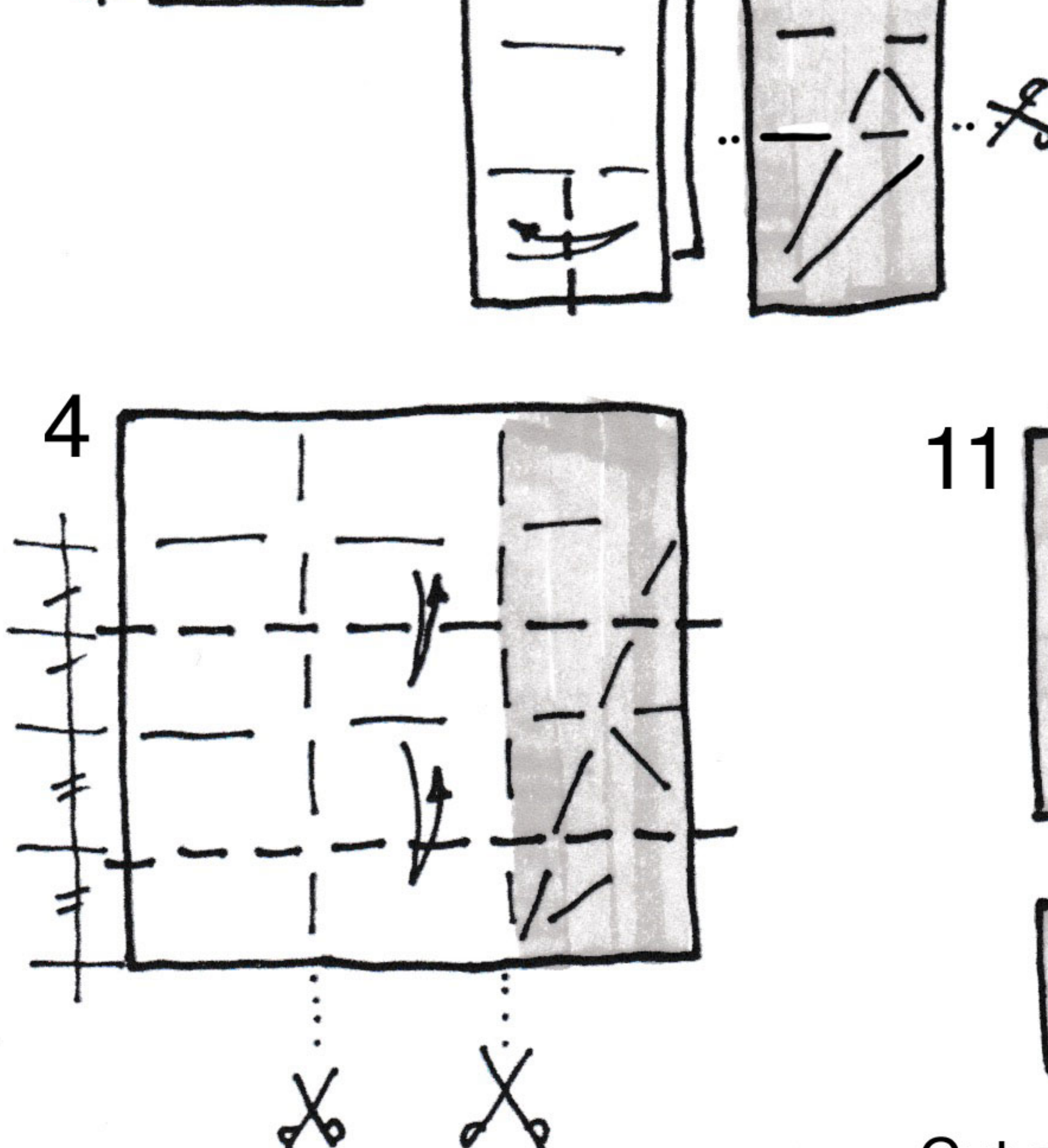
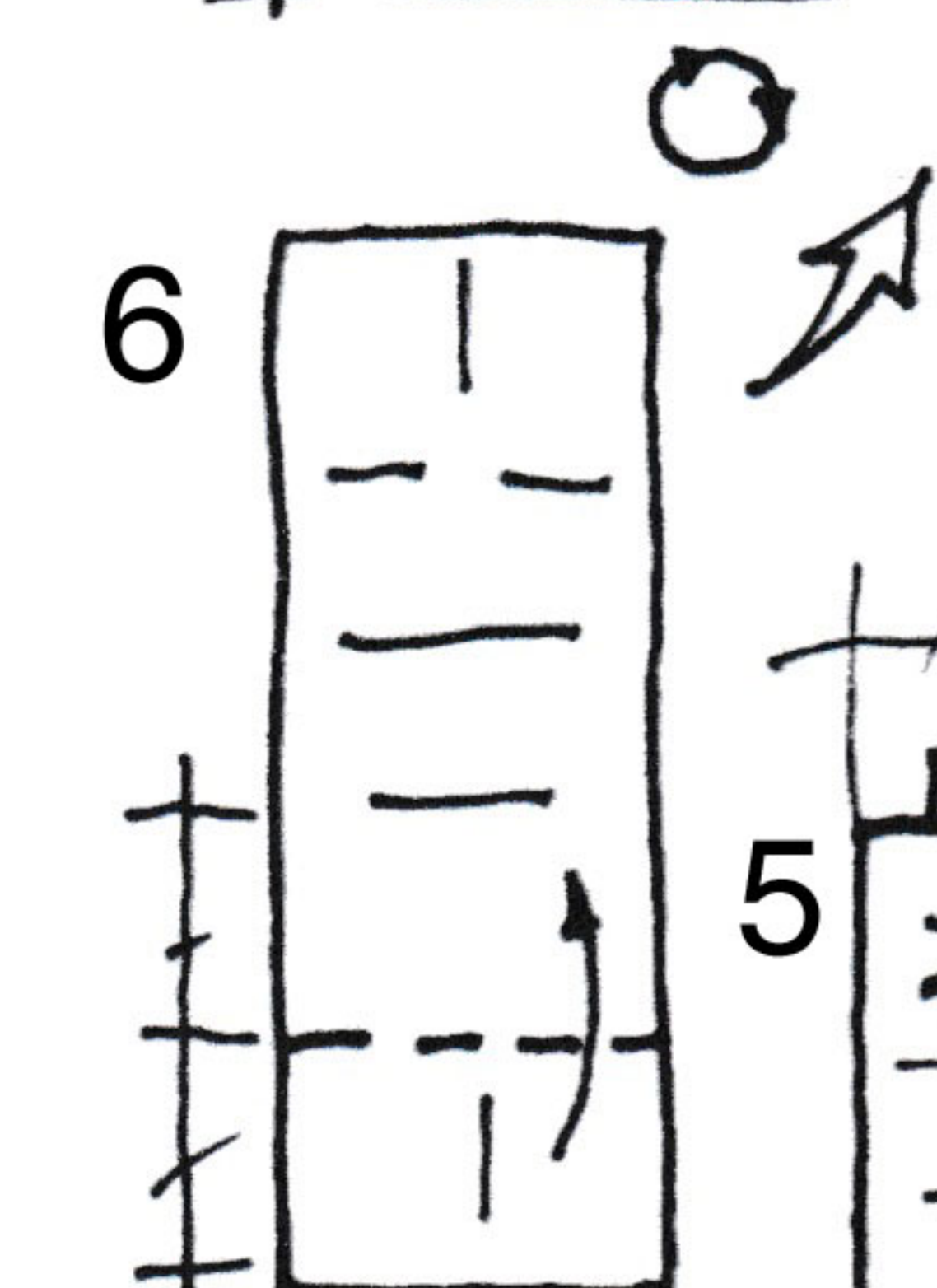
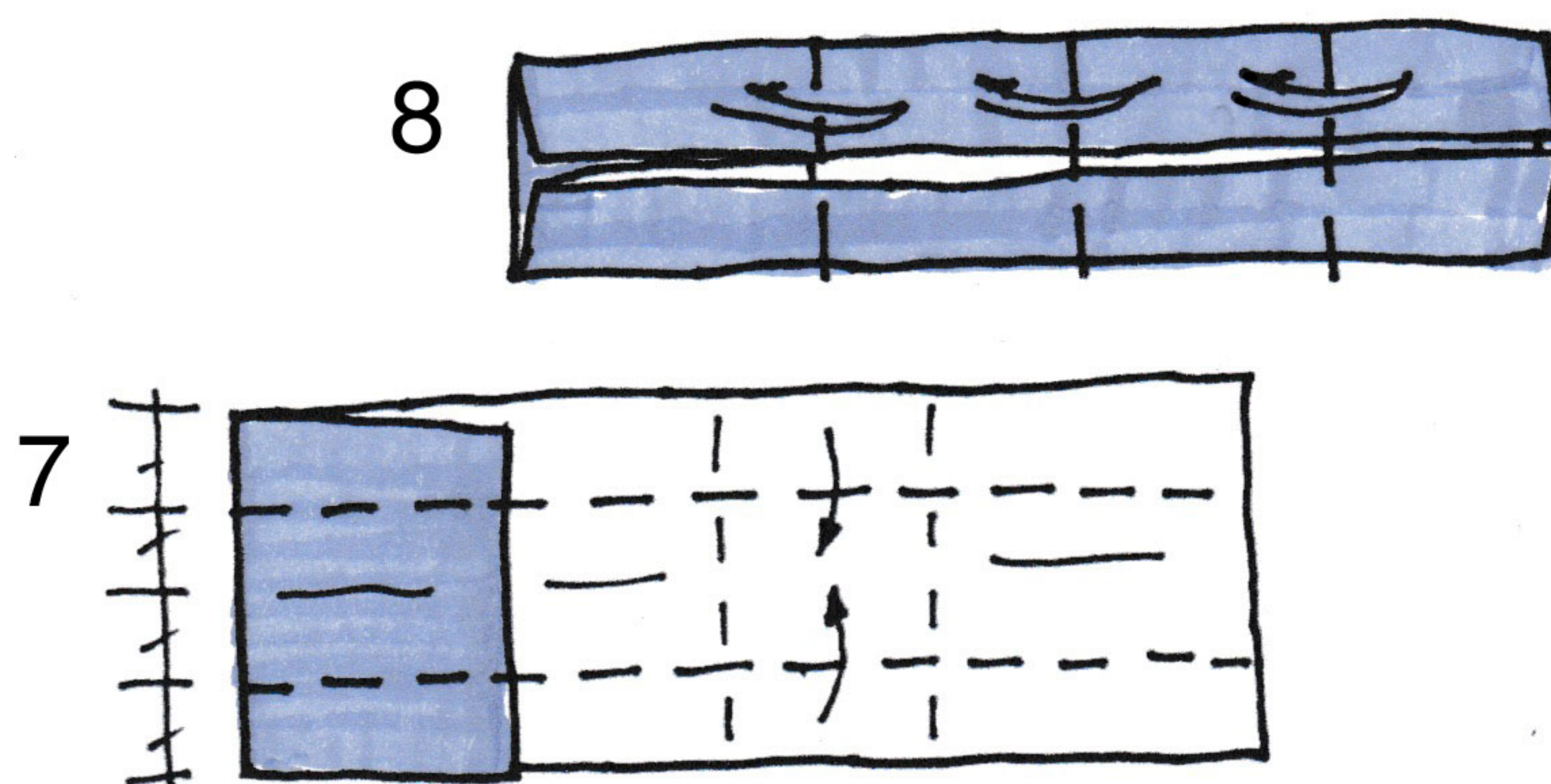
A development of the classic Flexicube, using triangular units instead of cubes. Several orientations of the units are possible, giving surprising flexing sequences.



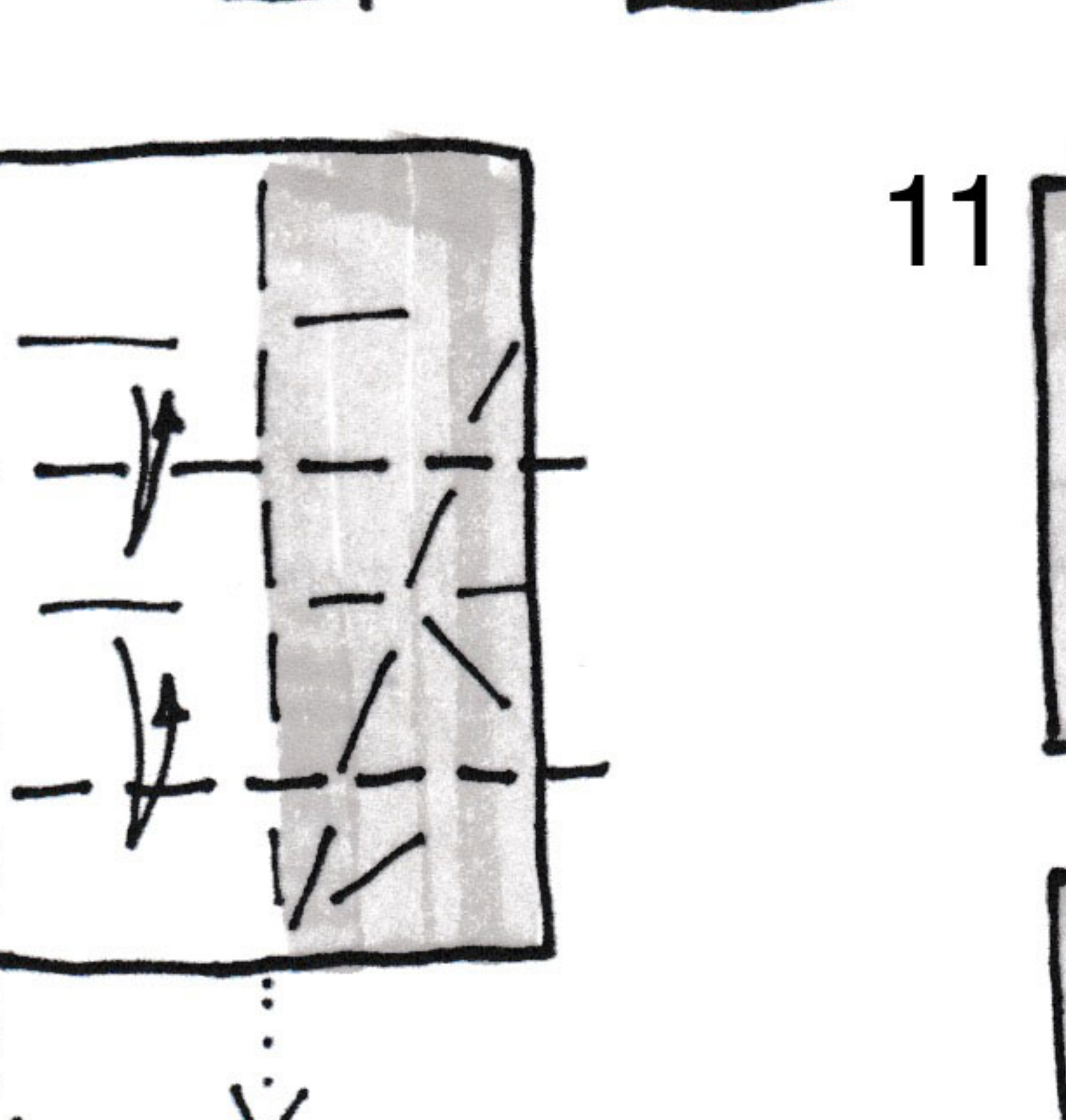
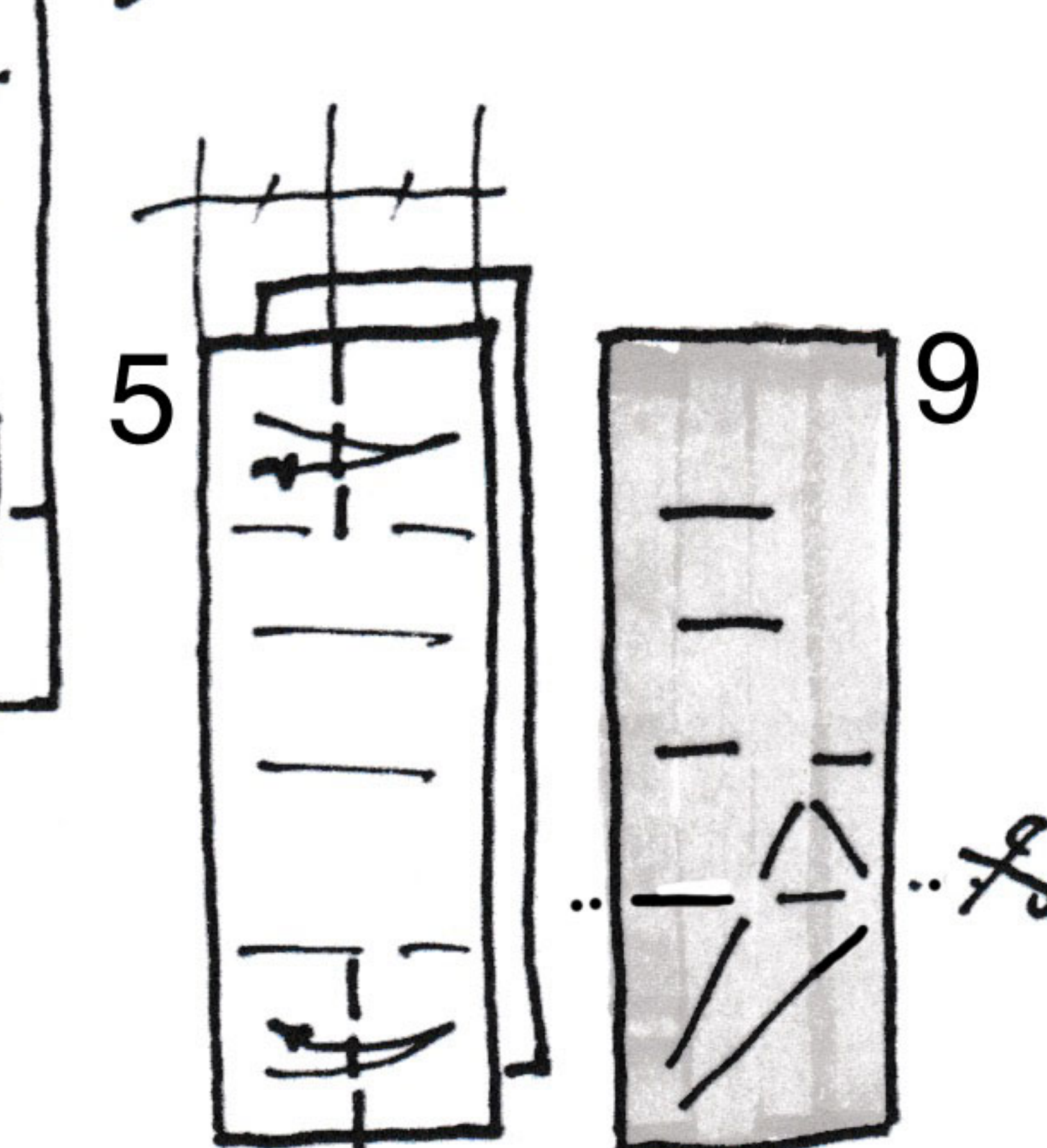
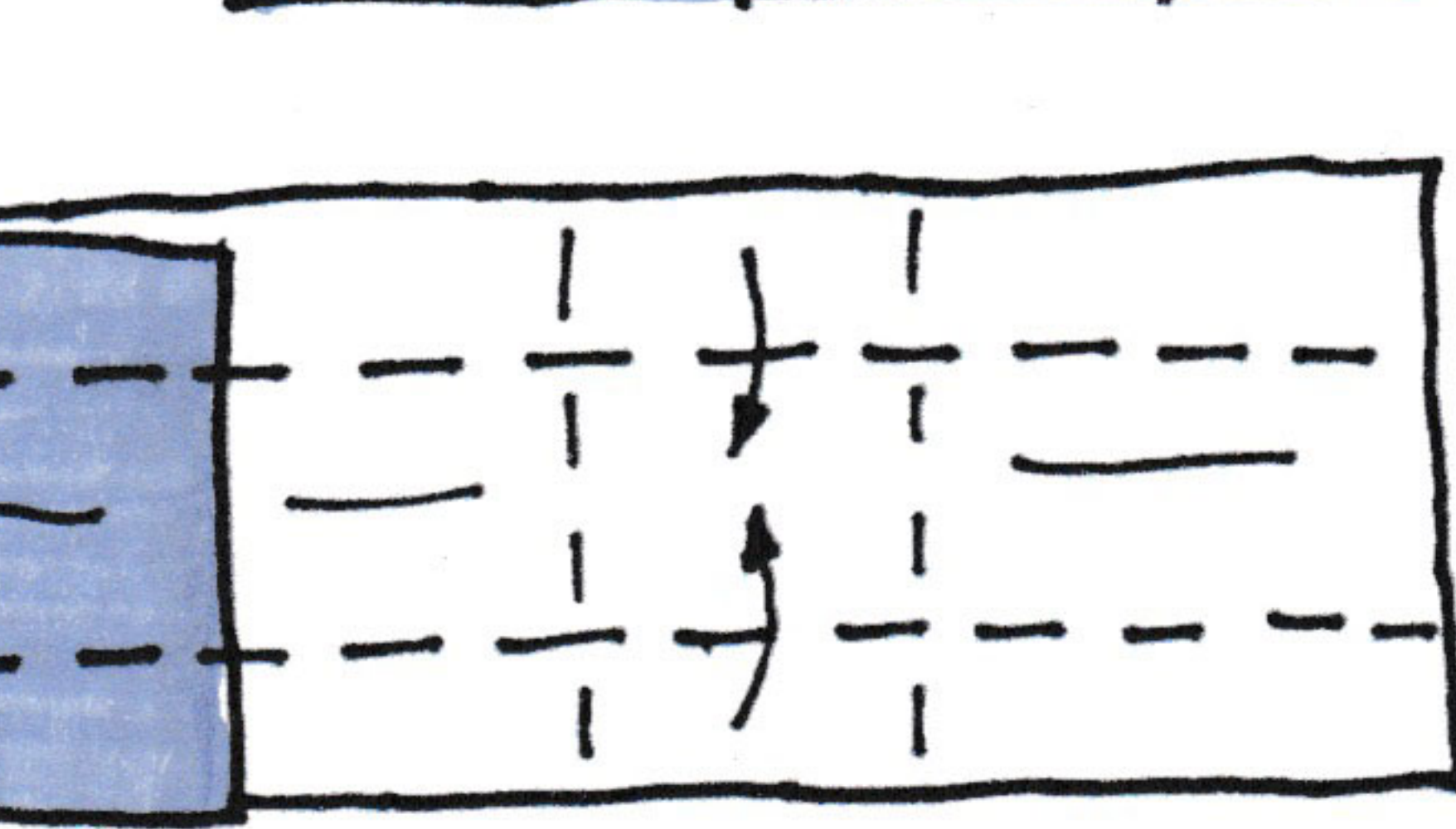
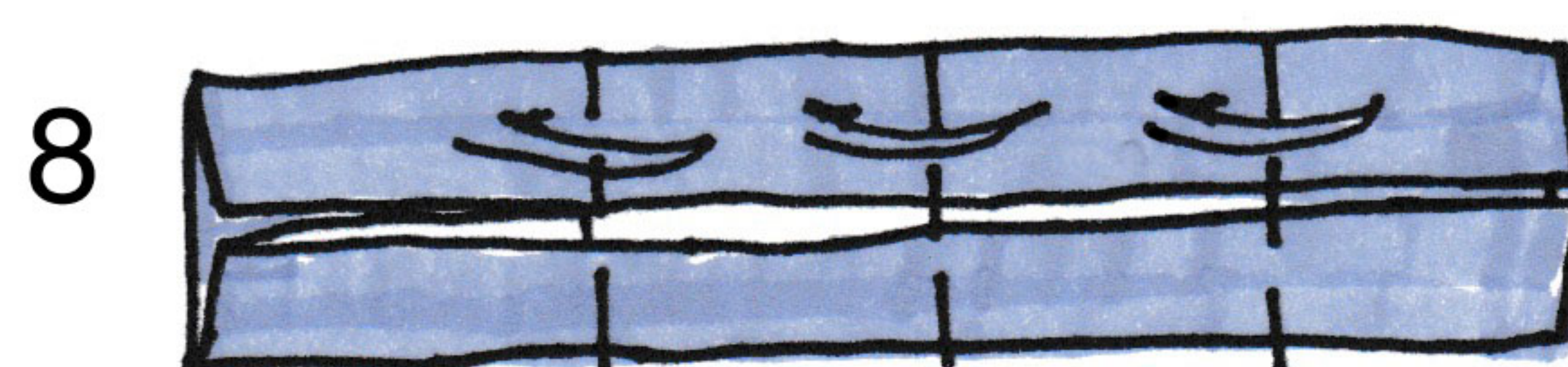
- 1 Divide a 20cm square into thirds



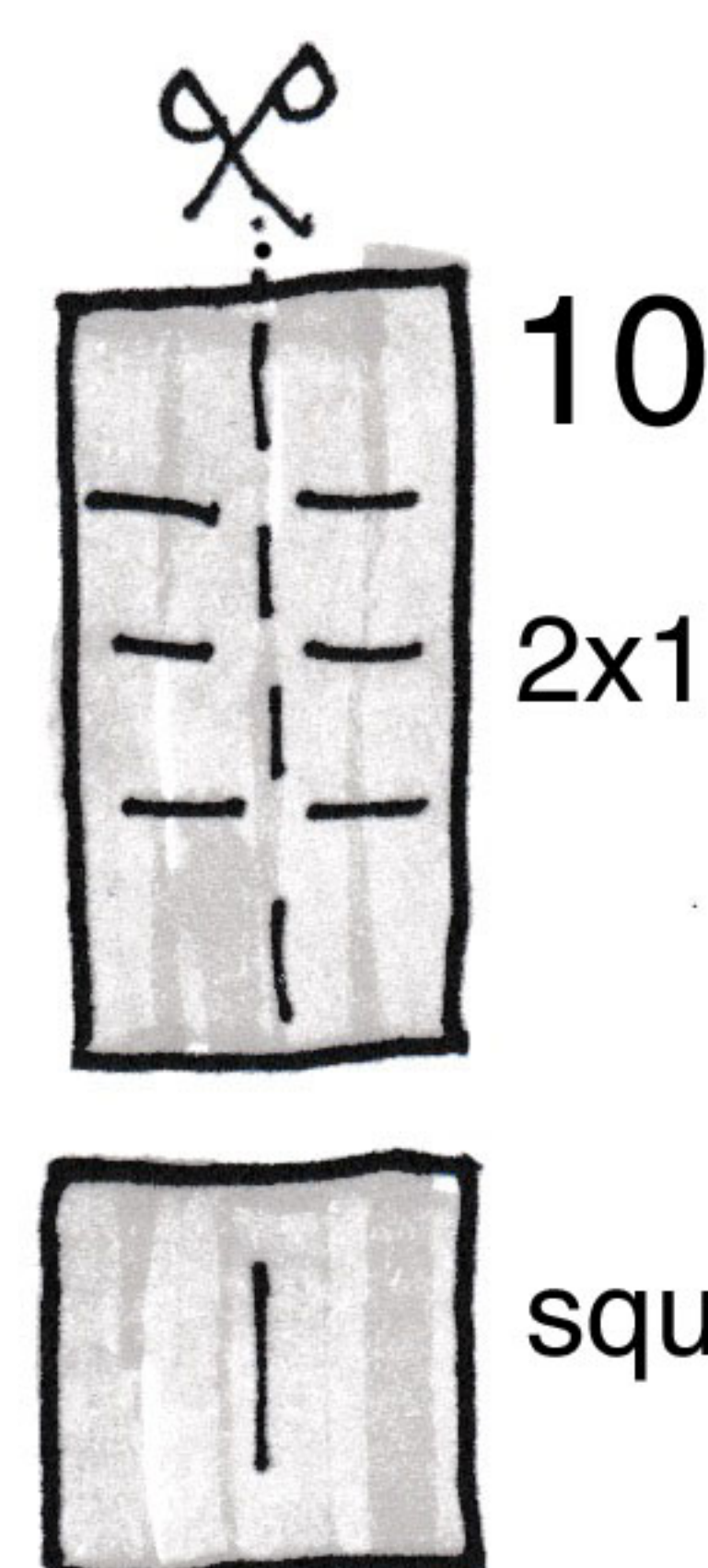
Make horizontal mountain folds noting the reference points



Precrease, then cut into 3. The grey area will be used for the hinges

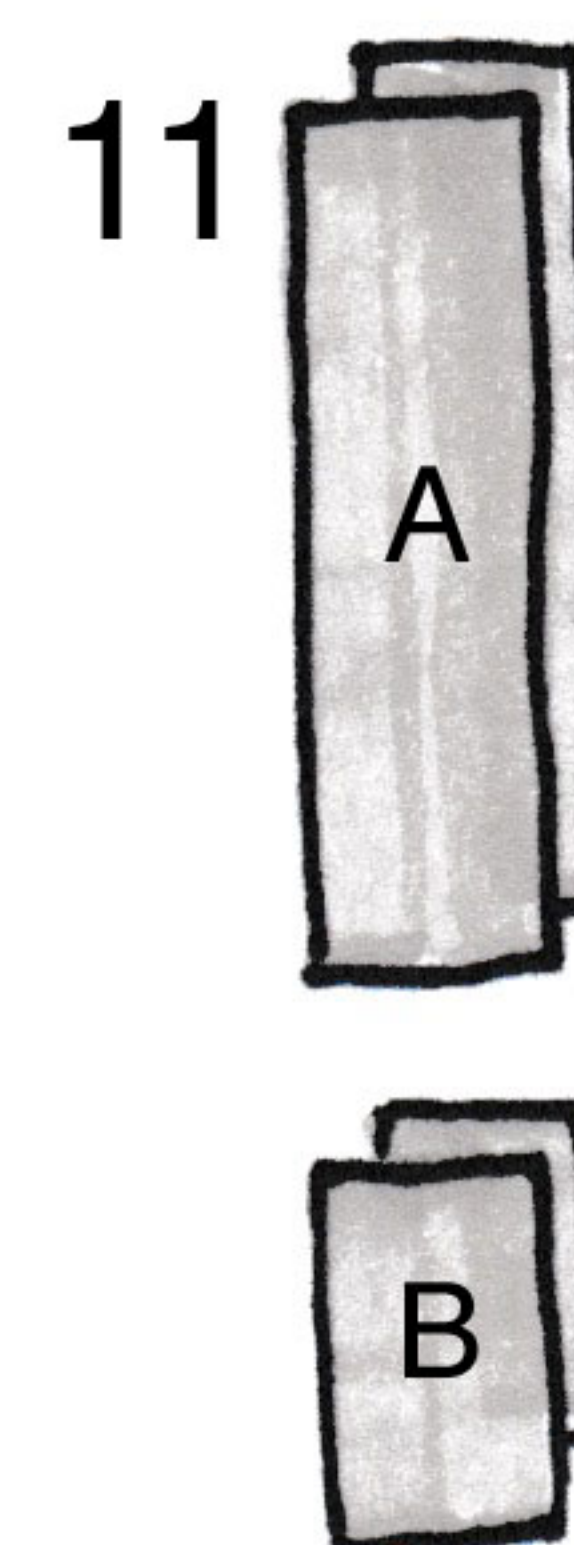


Cut as shown to make 2 hinge types.



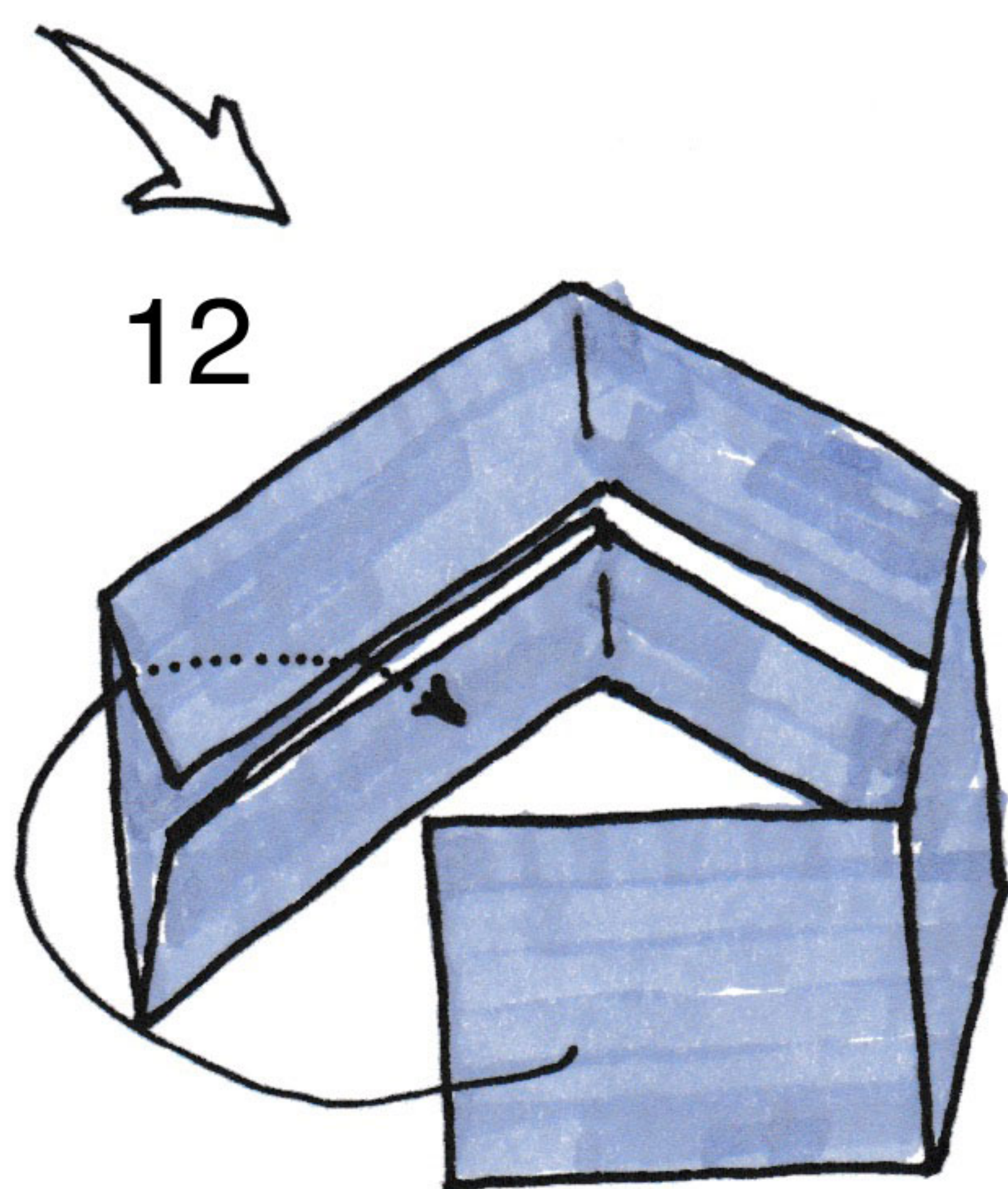
2x1

square



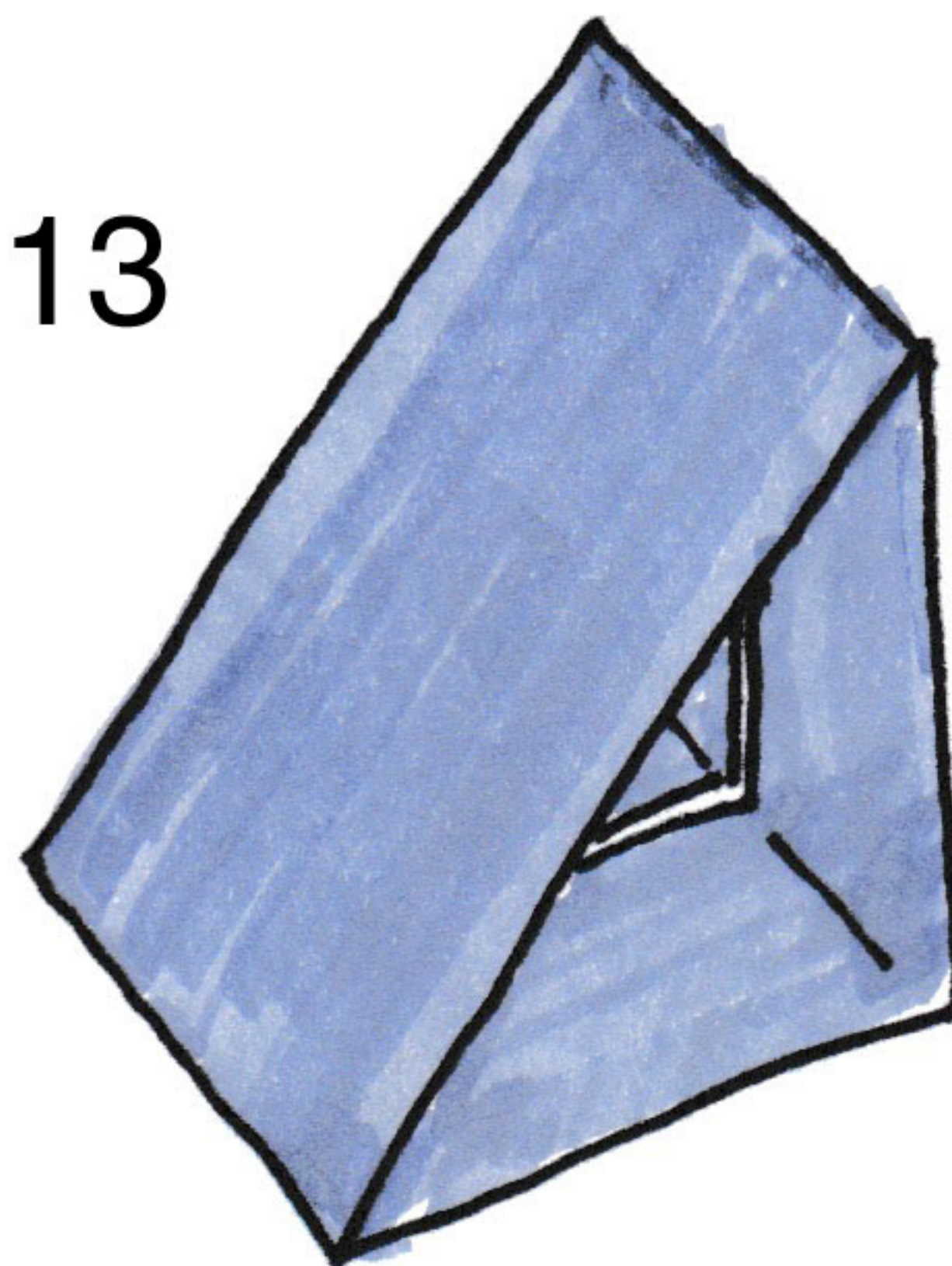
A

B



12

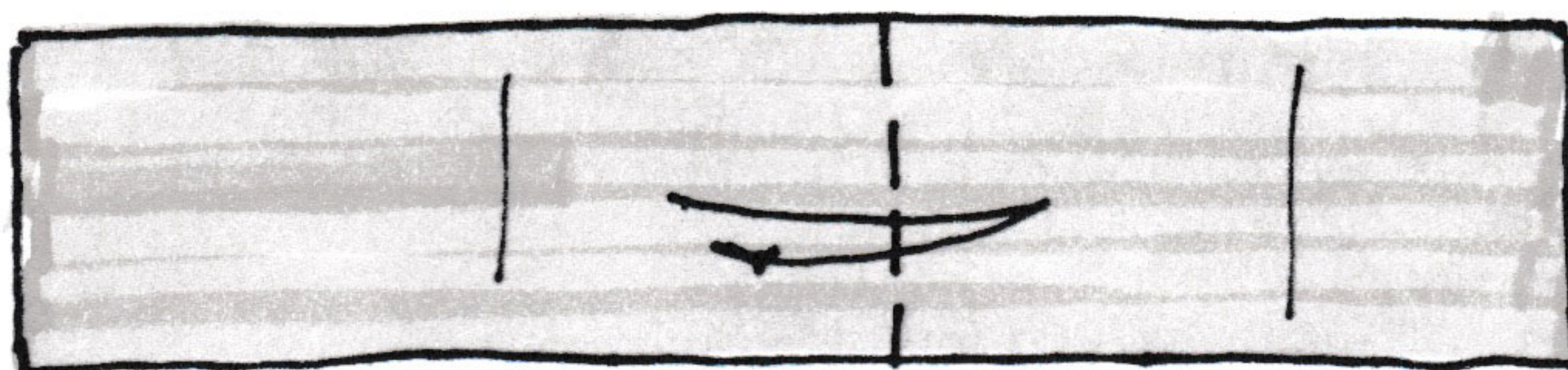
13



8 triangular units like this are required

Tuck inside to complete the unit.

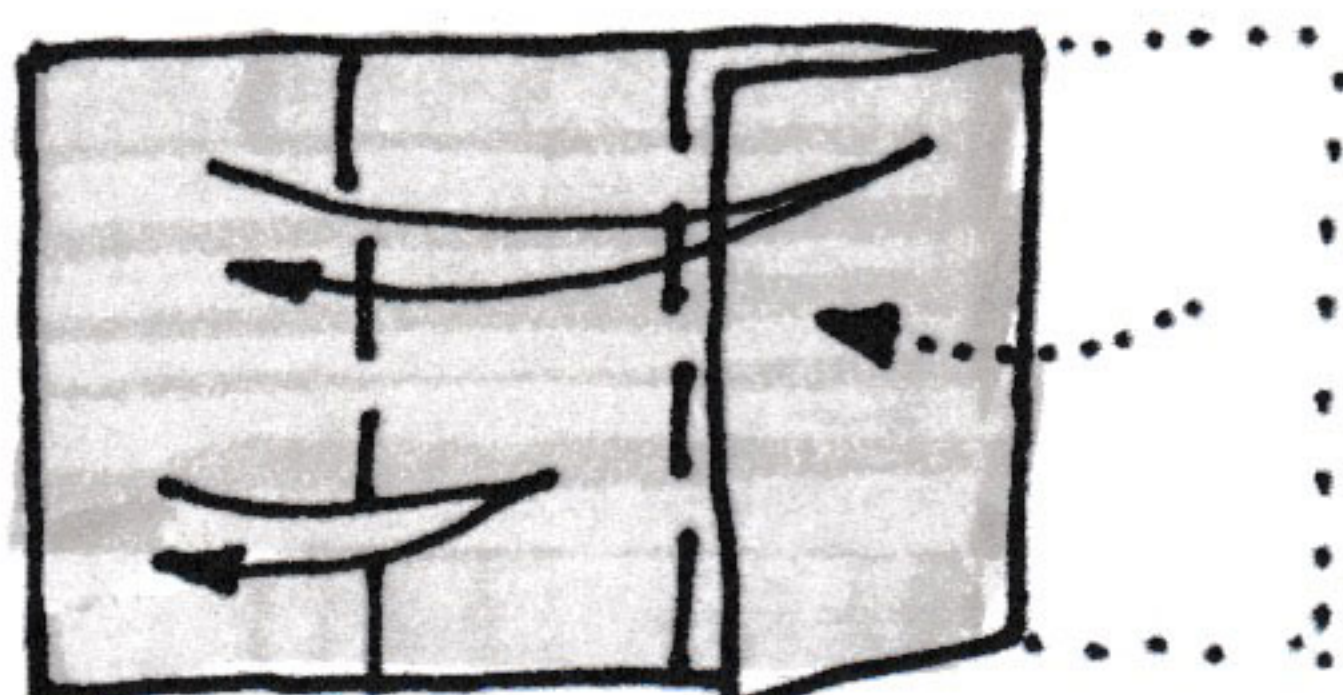
14



Precrease hinge A

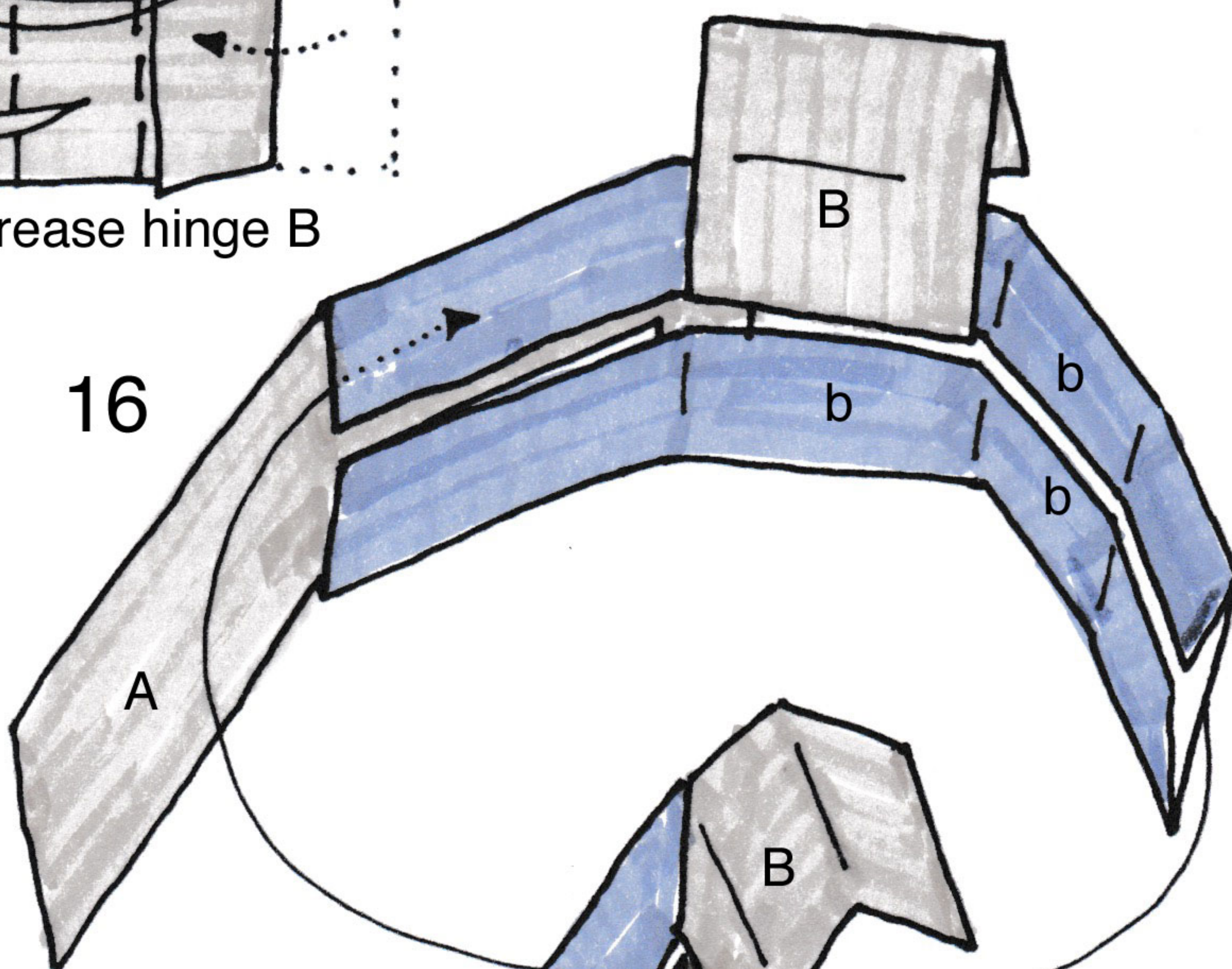
8 hinges are required, but the number of A and B units depends on the orientation of the triangular units

15

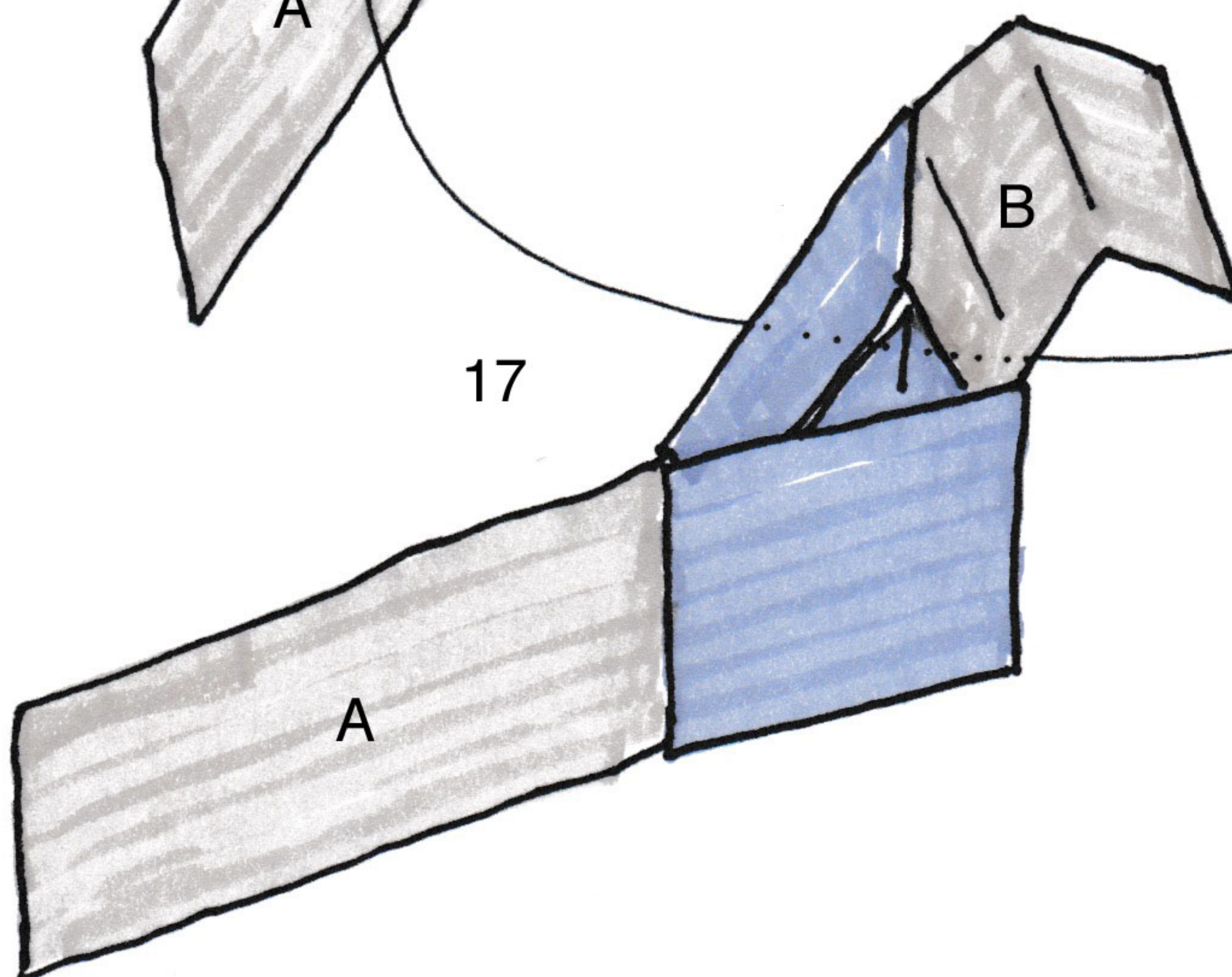


Precrease hinge B

16

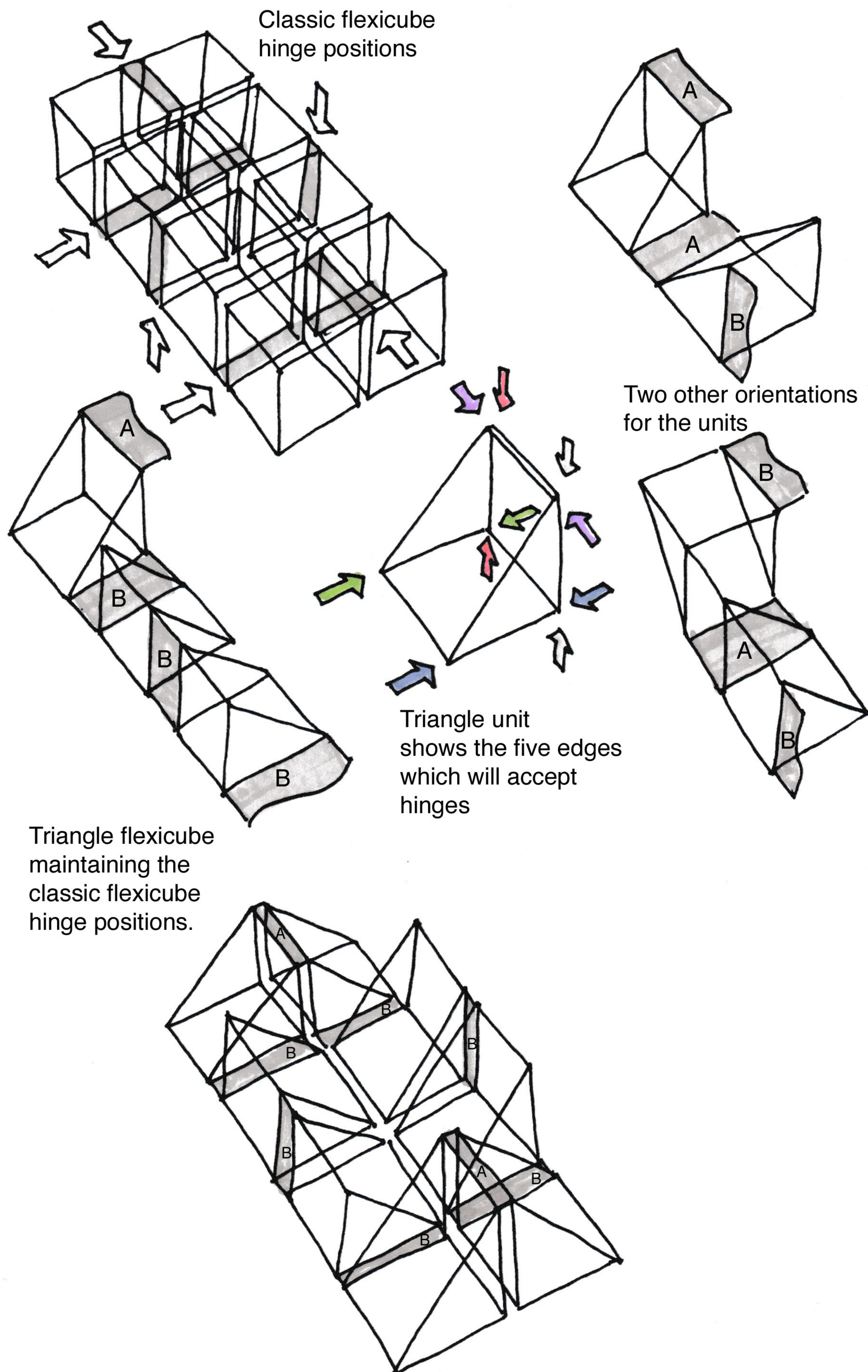


17



This shows one position for hinge B; "b" shows alternative positions

Ideas for the orientation of the triangular units



Triangular Flexicube
transformations

