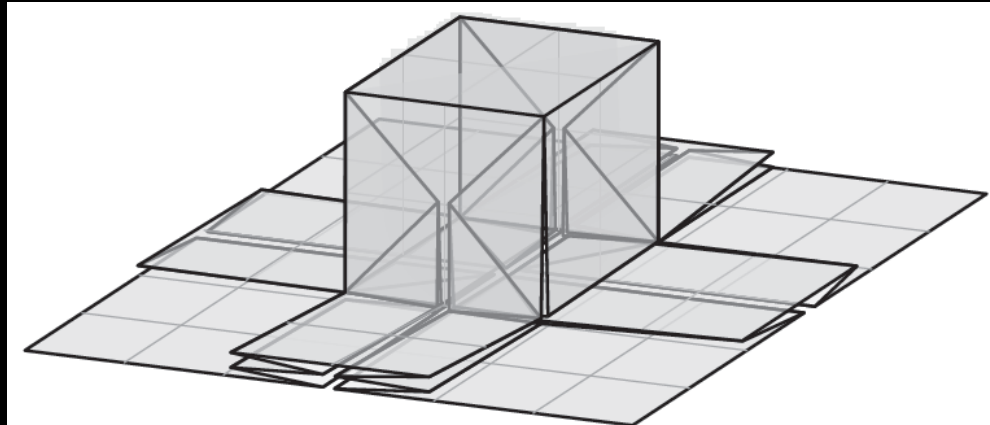
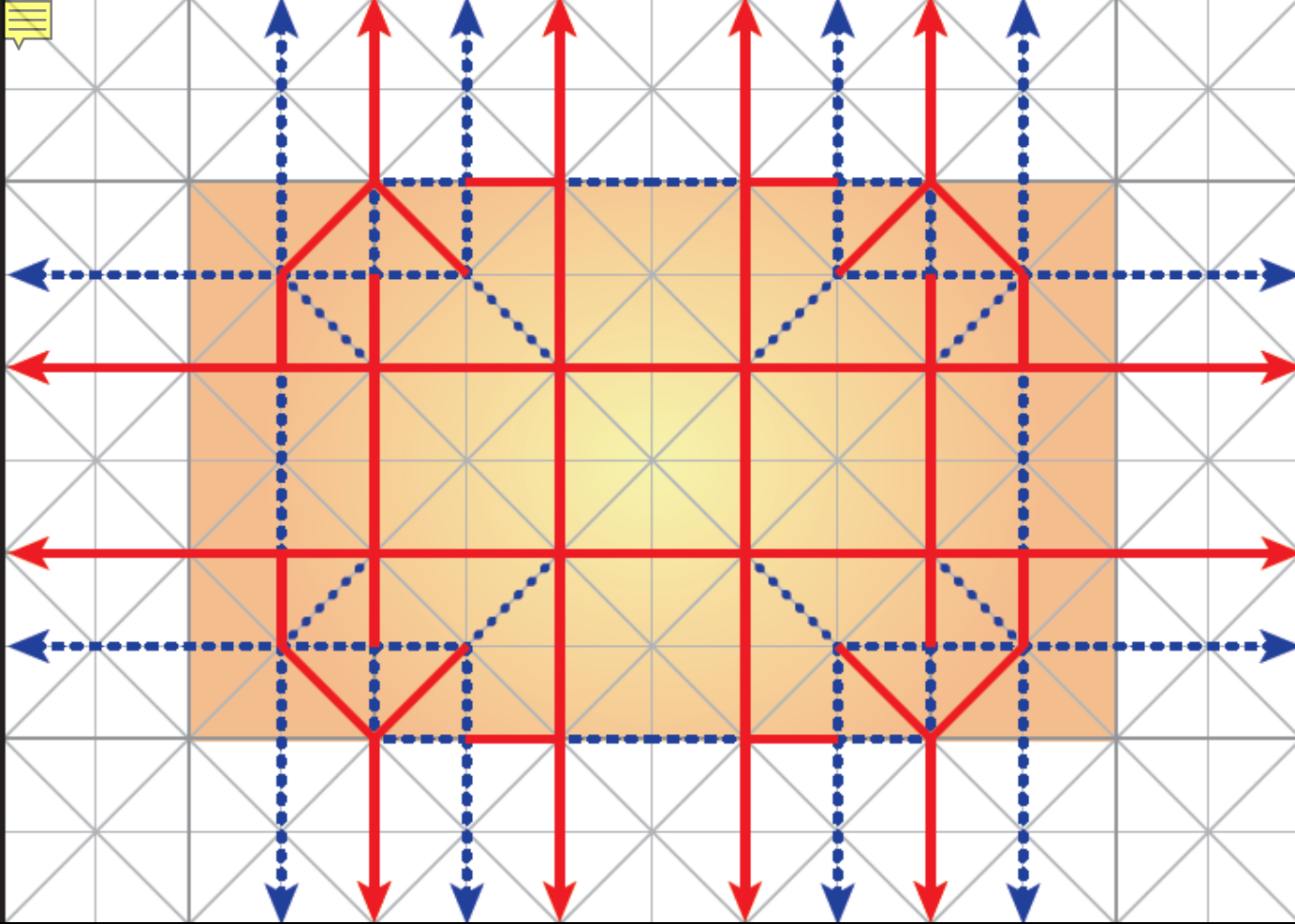


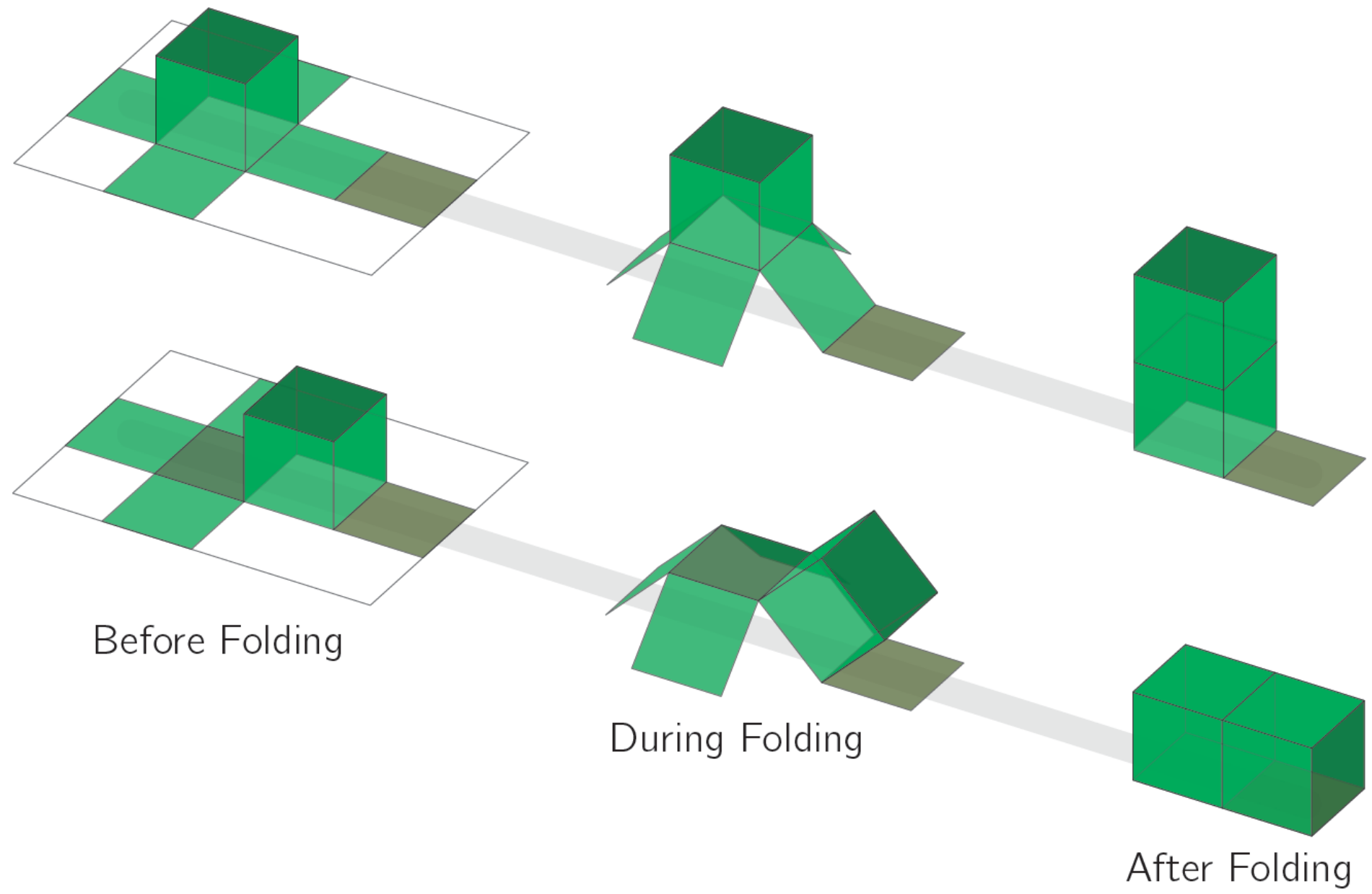


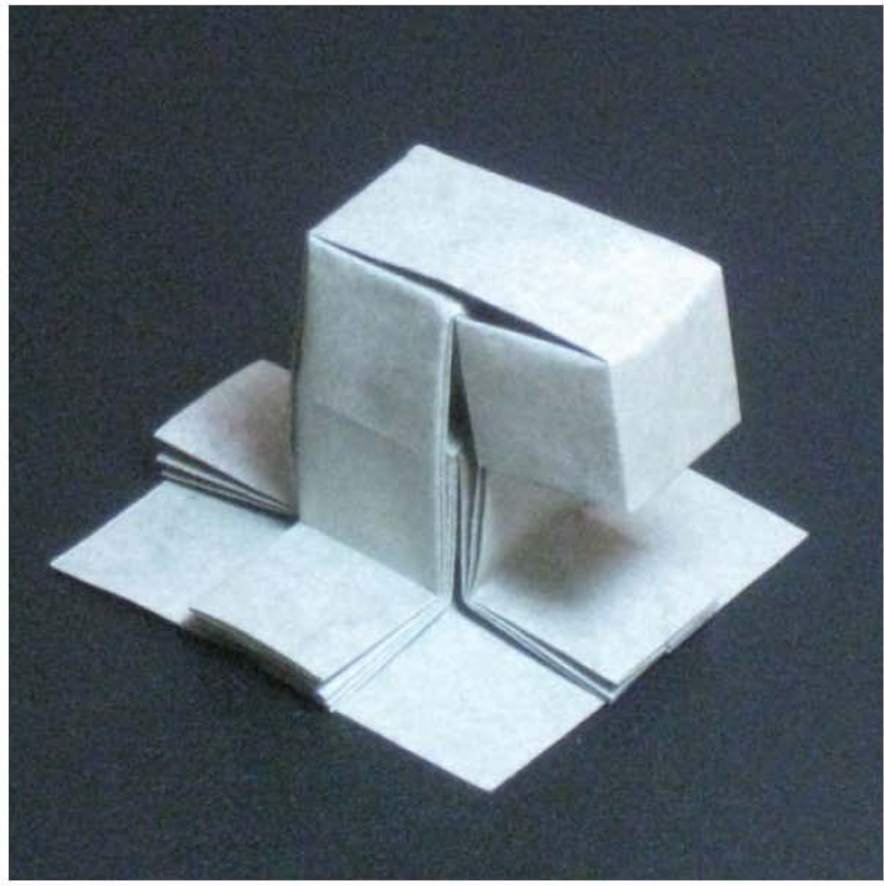
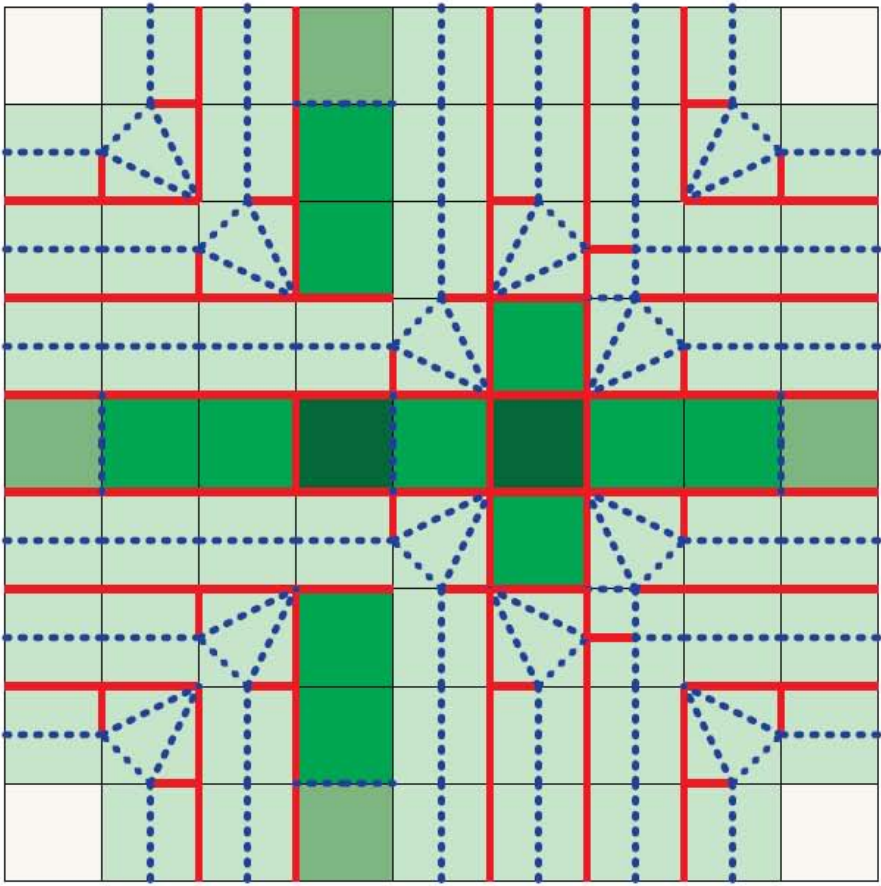
Programmable Matter by Folding

multiple shapes, compound folds

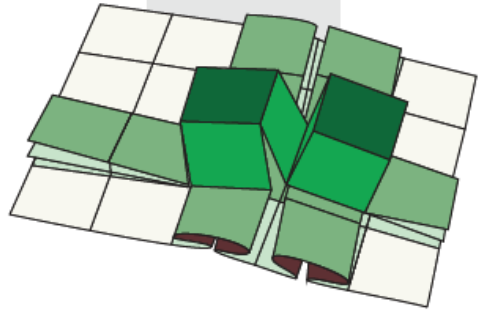
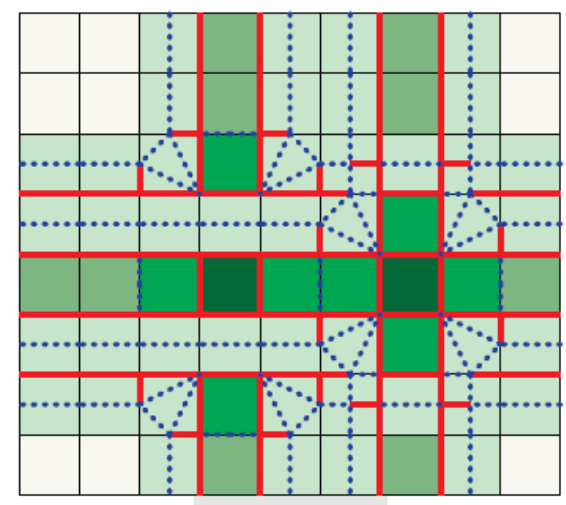


[Benbernou, Demaine,
Demaine, Ovadya 2010]

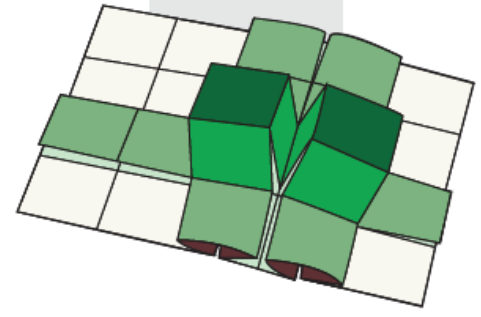
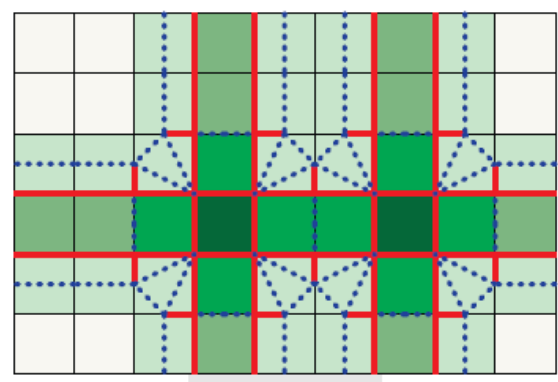




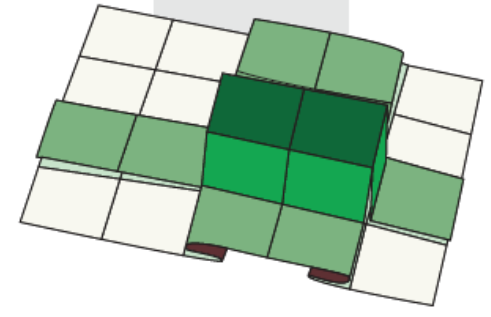
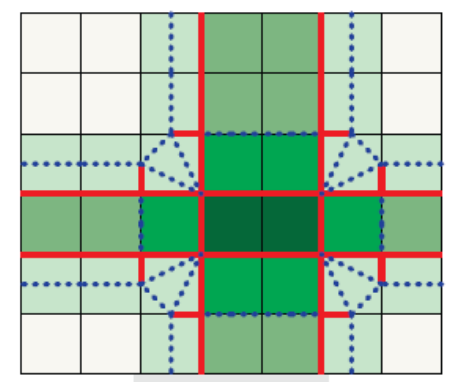
[Benbernou, Demaine, Demaine, Ovadya 2010]



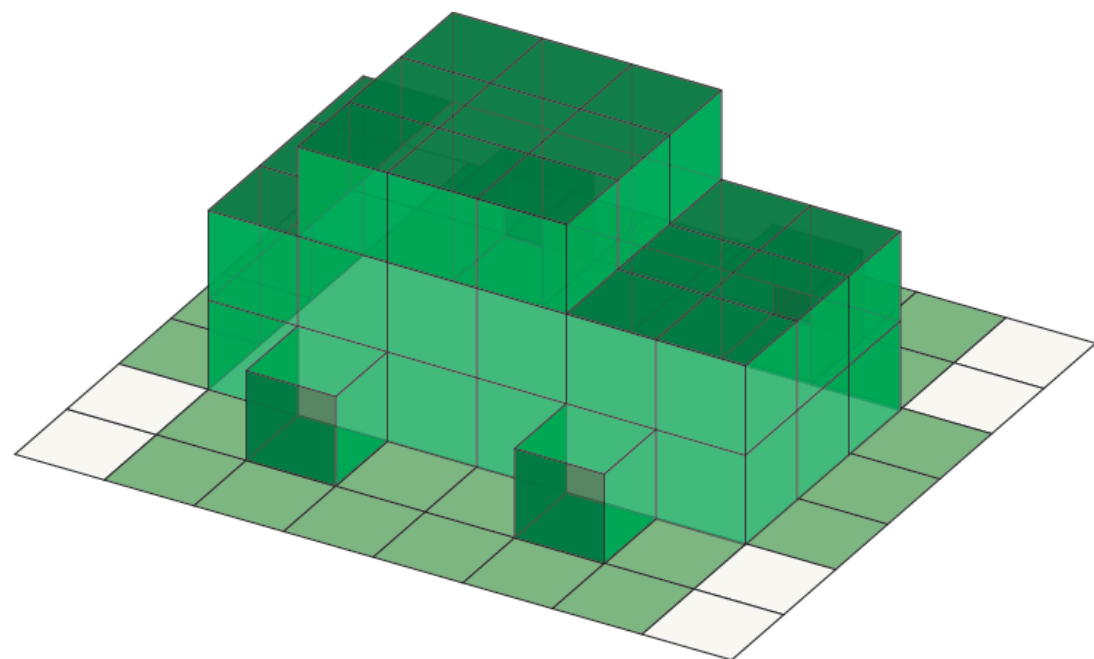
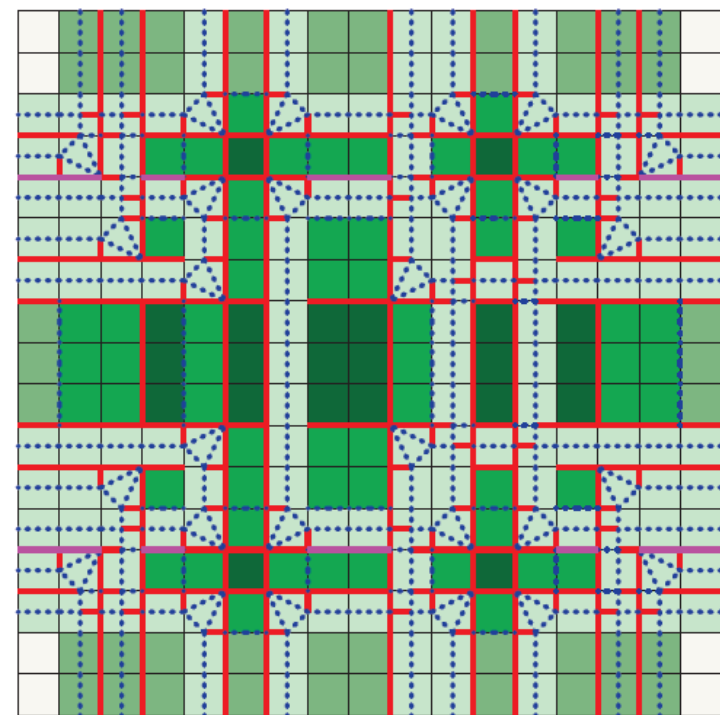
CEA 4.1
Naive Surface
Extrusions

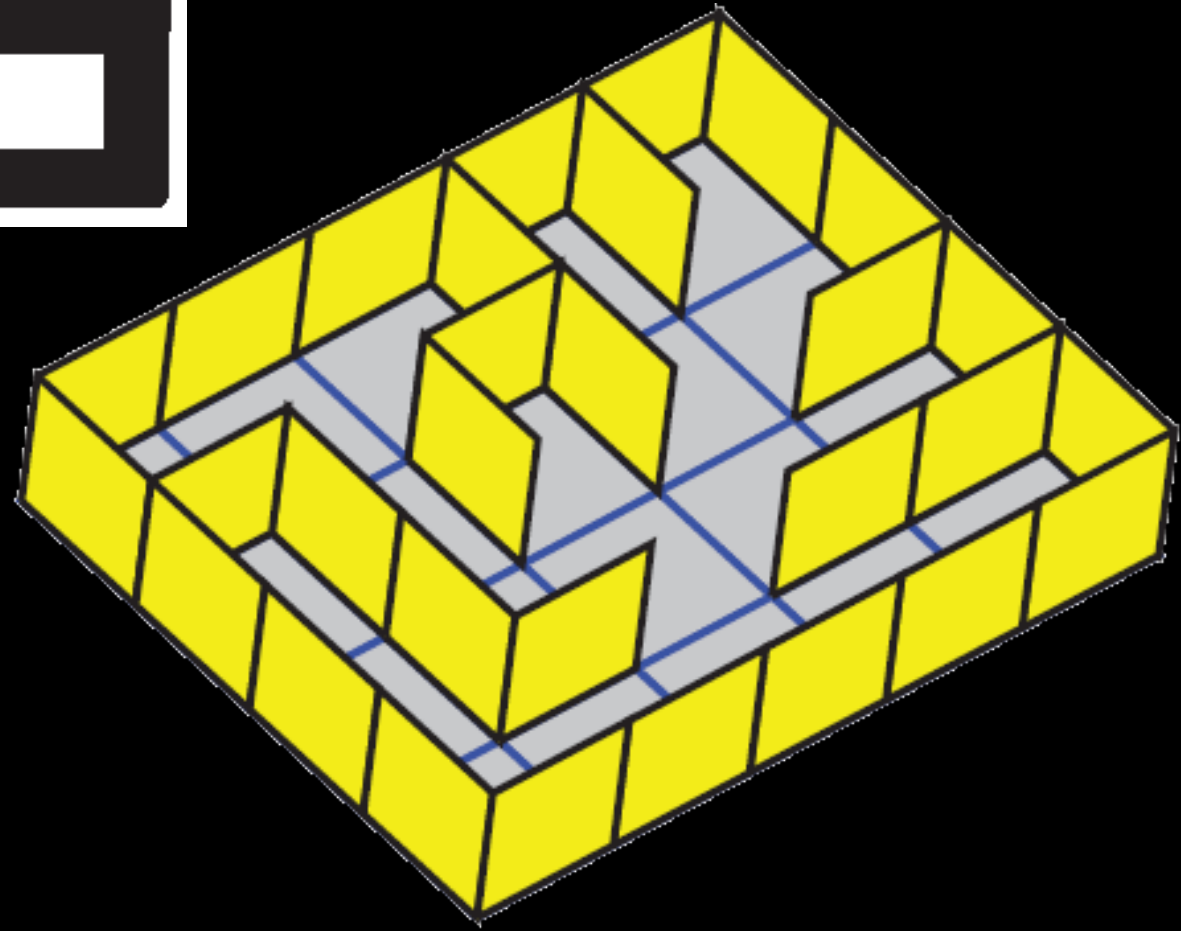
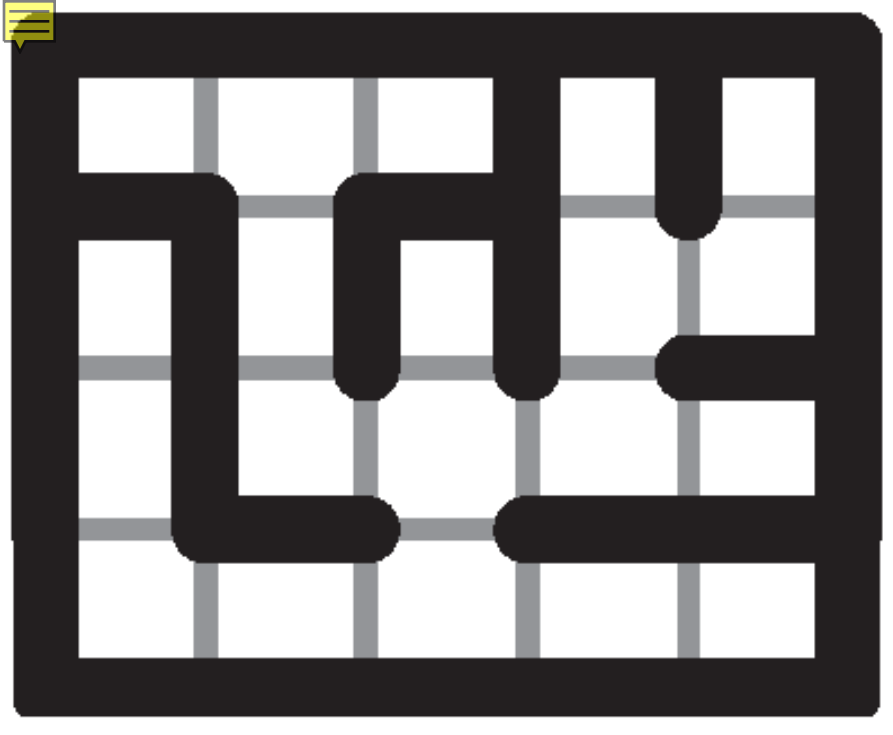


CEA 4.2
Pleat Sharing
Surface Extrusions

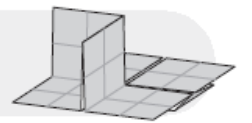
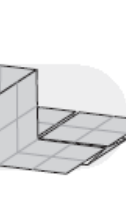
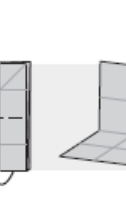
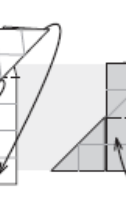
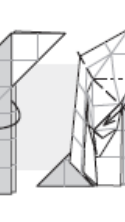
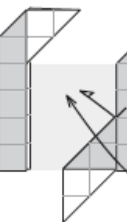
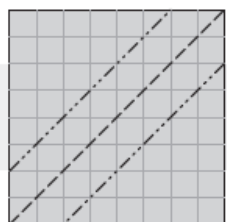
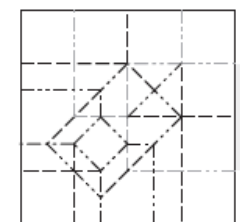
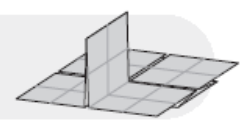
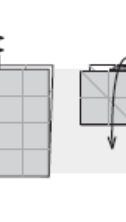
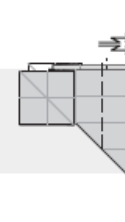
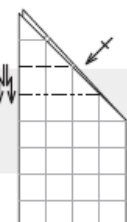
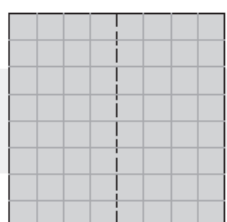
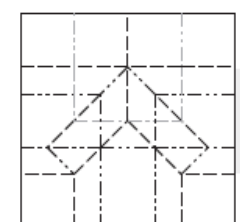
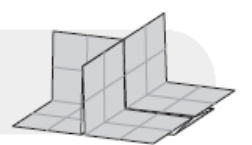
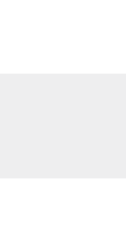
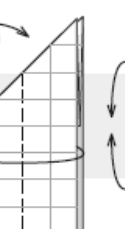
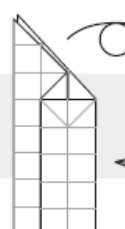
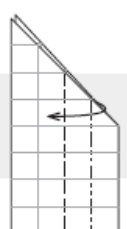
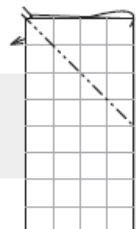
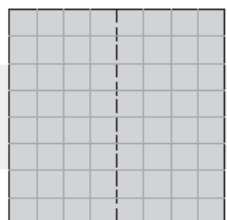
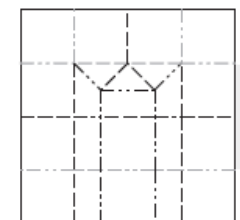
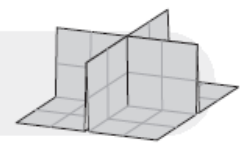
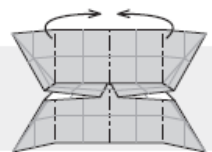
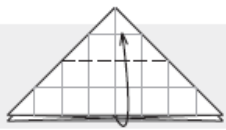
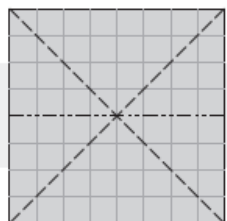
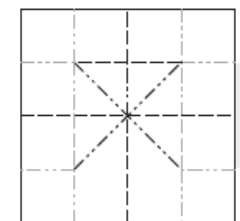
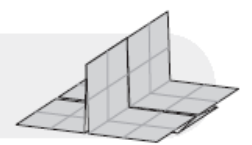
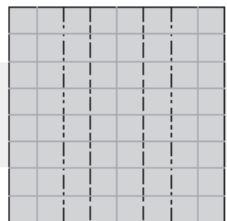
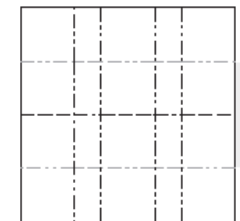
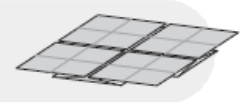
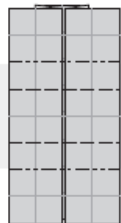
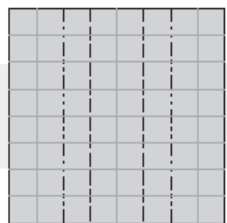
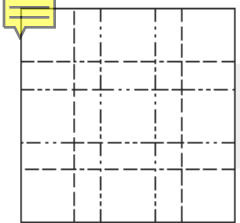


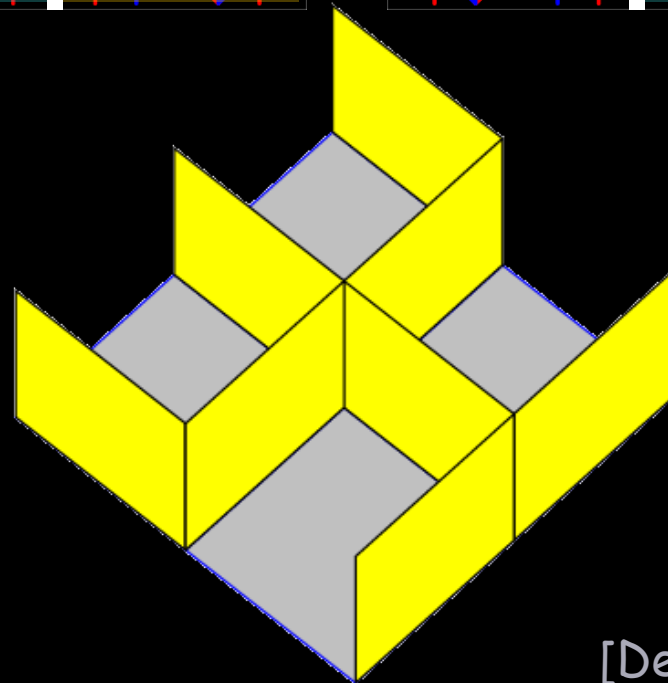
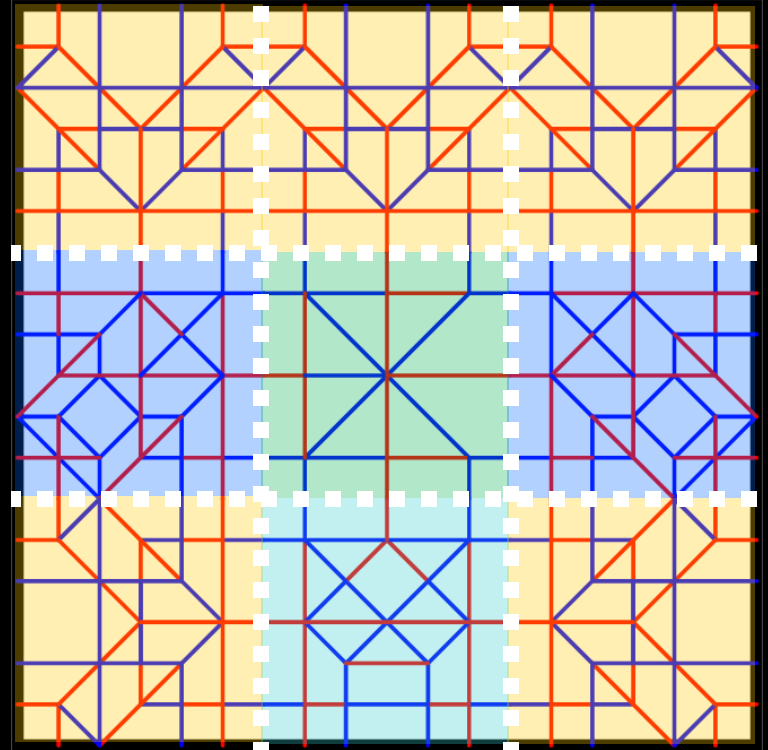
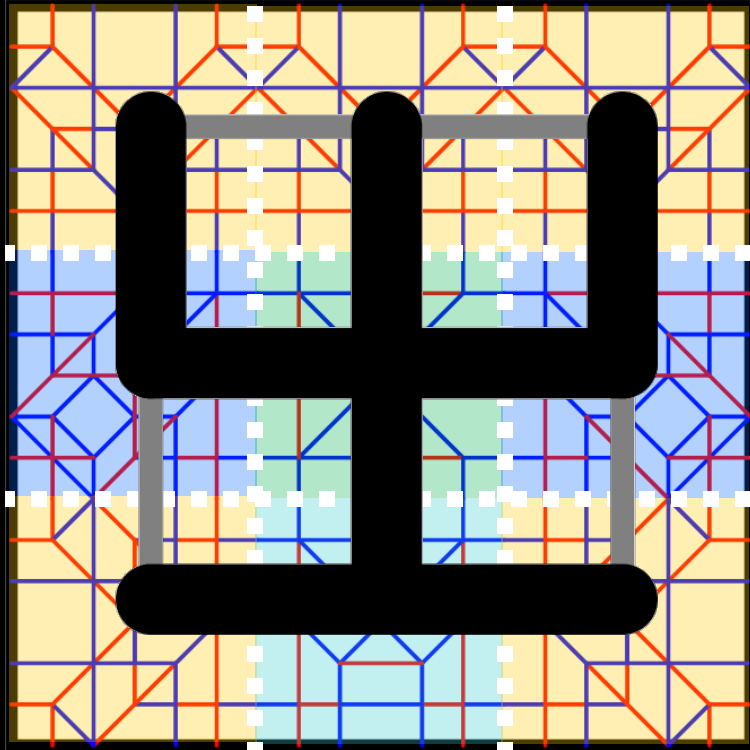
CEA 4.3
Side Sharing
Surface Extrusions



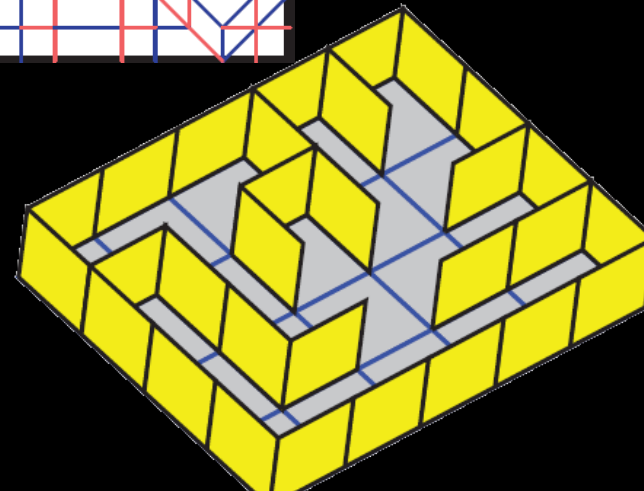
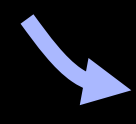
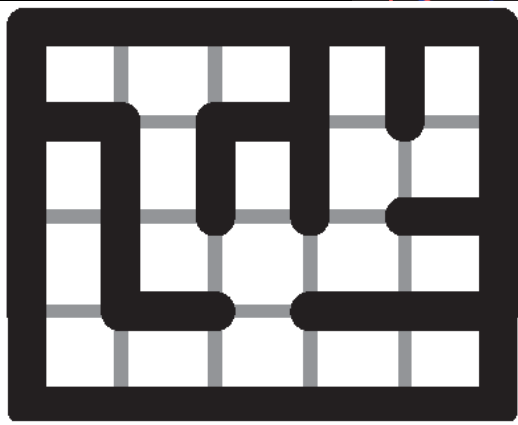
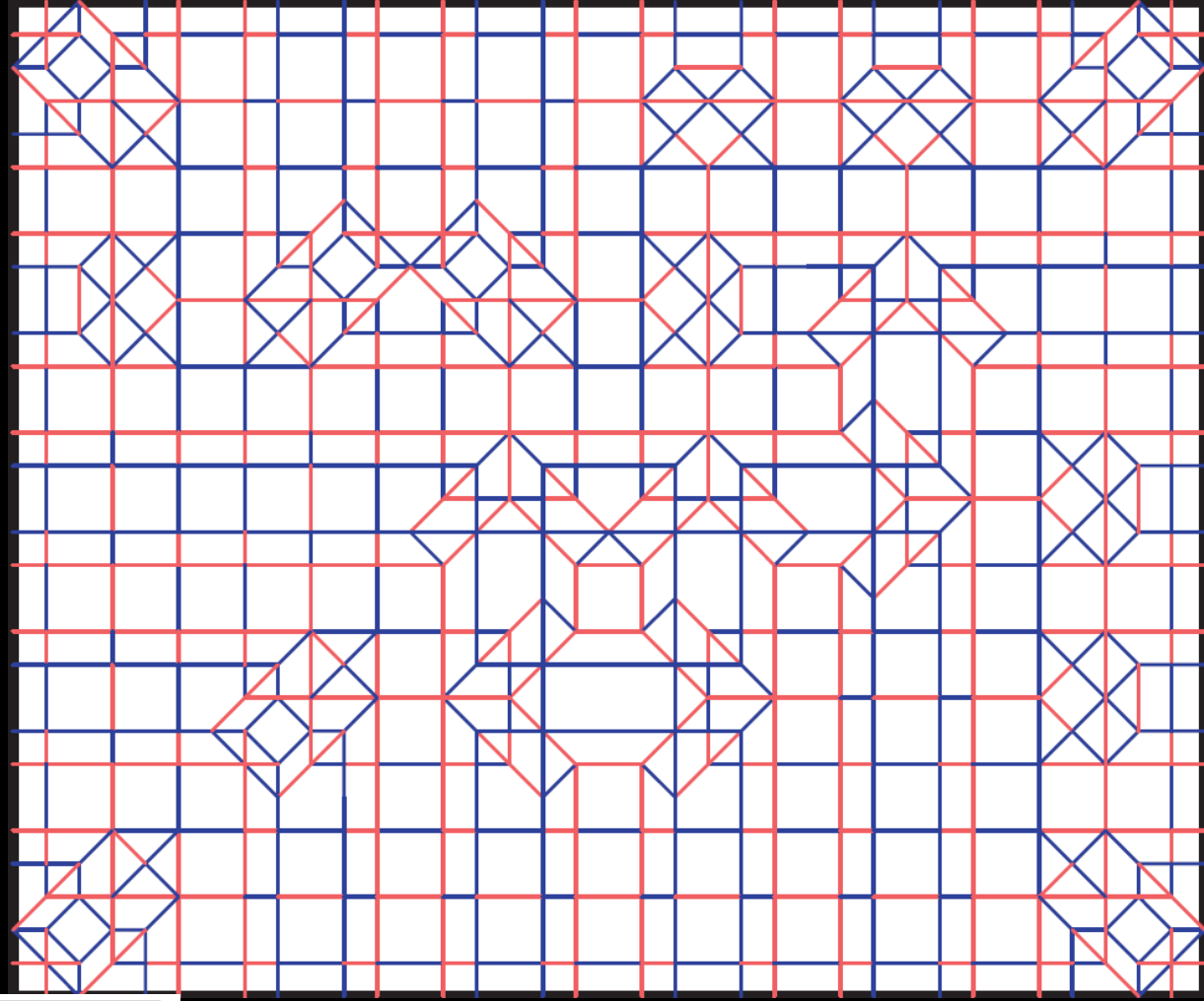


[Demaine, Demaine, Ku 2010]

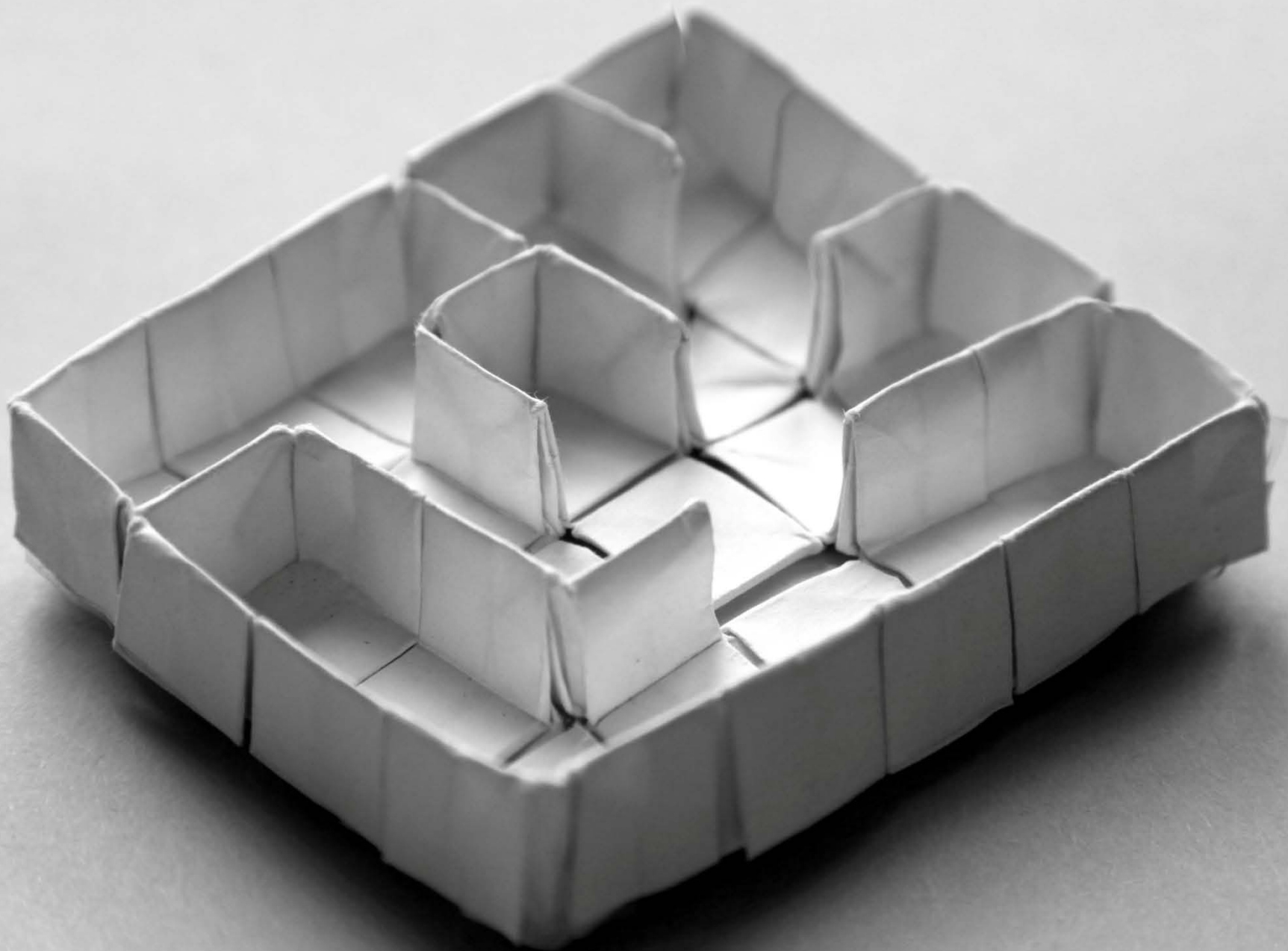




[Demaine, Demaine, Ku 2010]



[Demaine, Demaine, Ku 2010]



folding by Christopher Chin



Maze Folder

<http://erikdemaine.org/fonts/>

[Erik Demaine](#), [Martin Demaine](#), [Jason Ku](#)

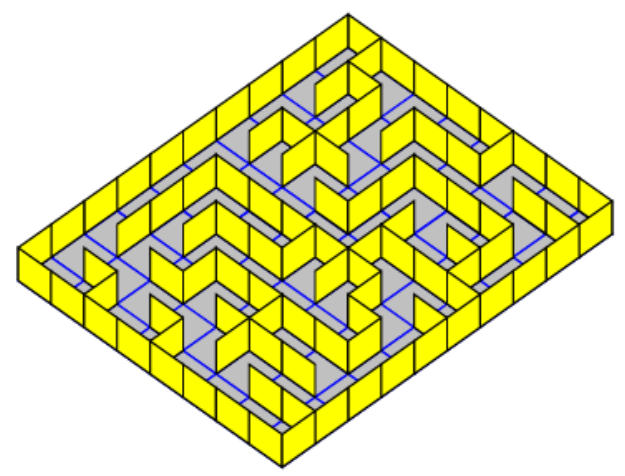
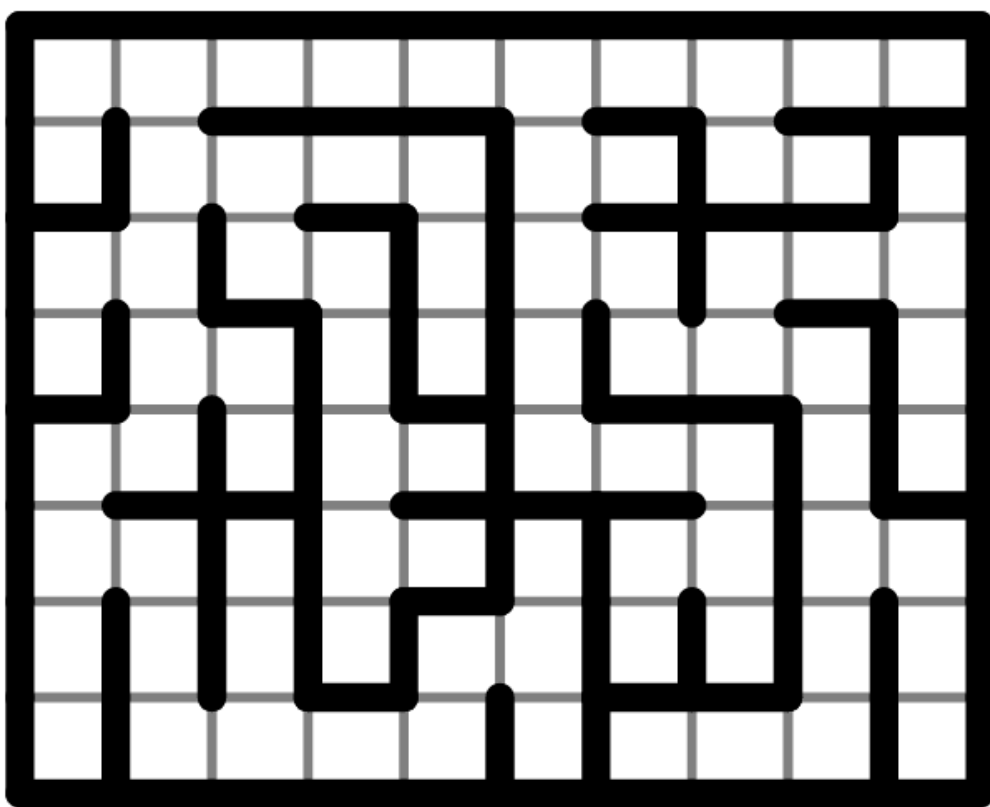
10 × 8 input grid

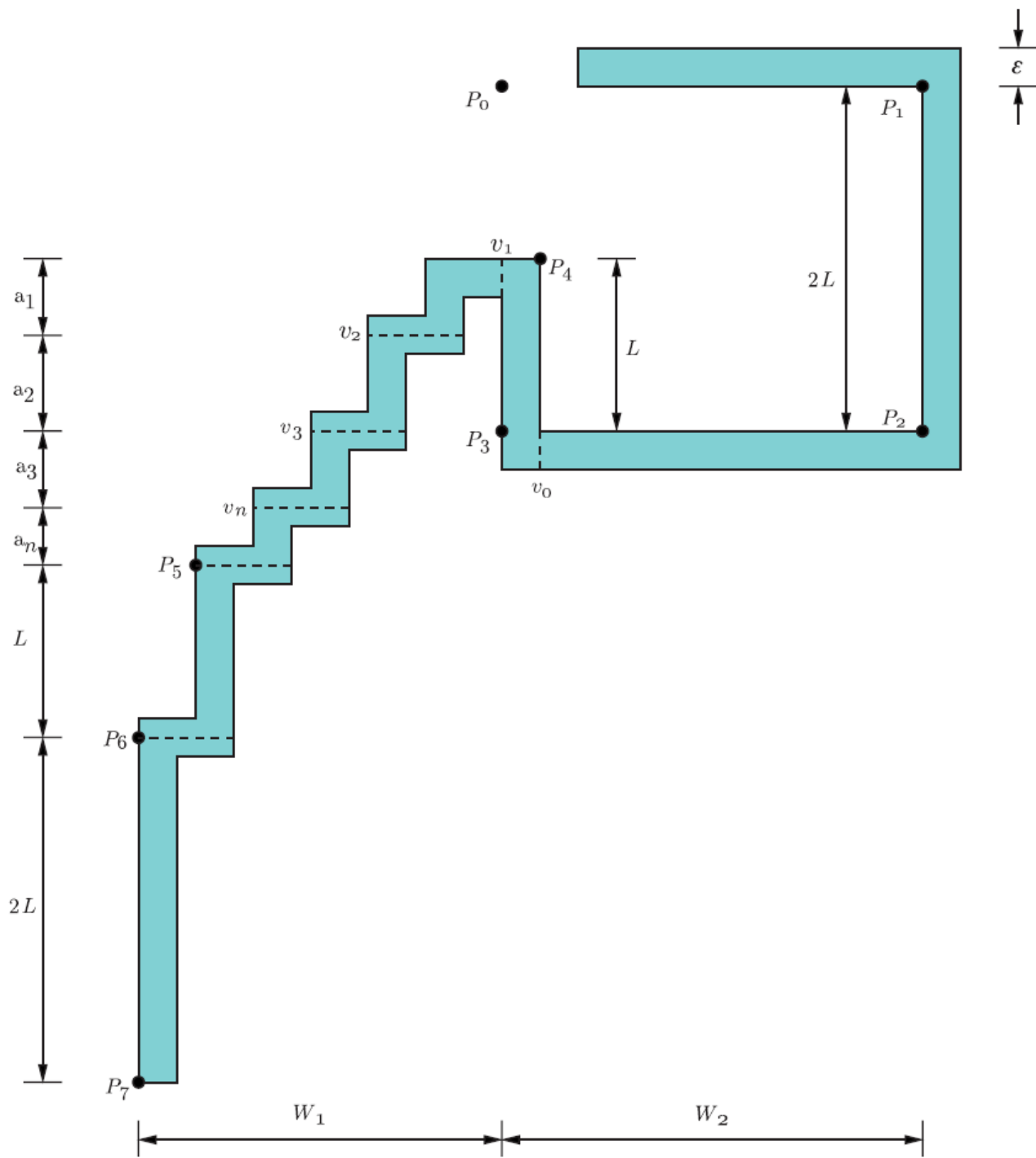
Lock degree-0 corners

Clear maze

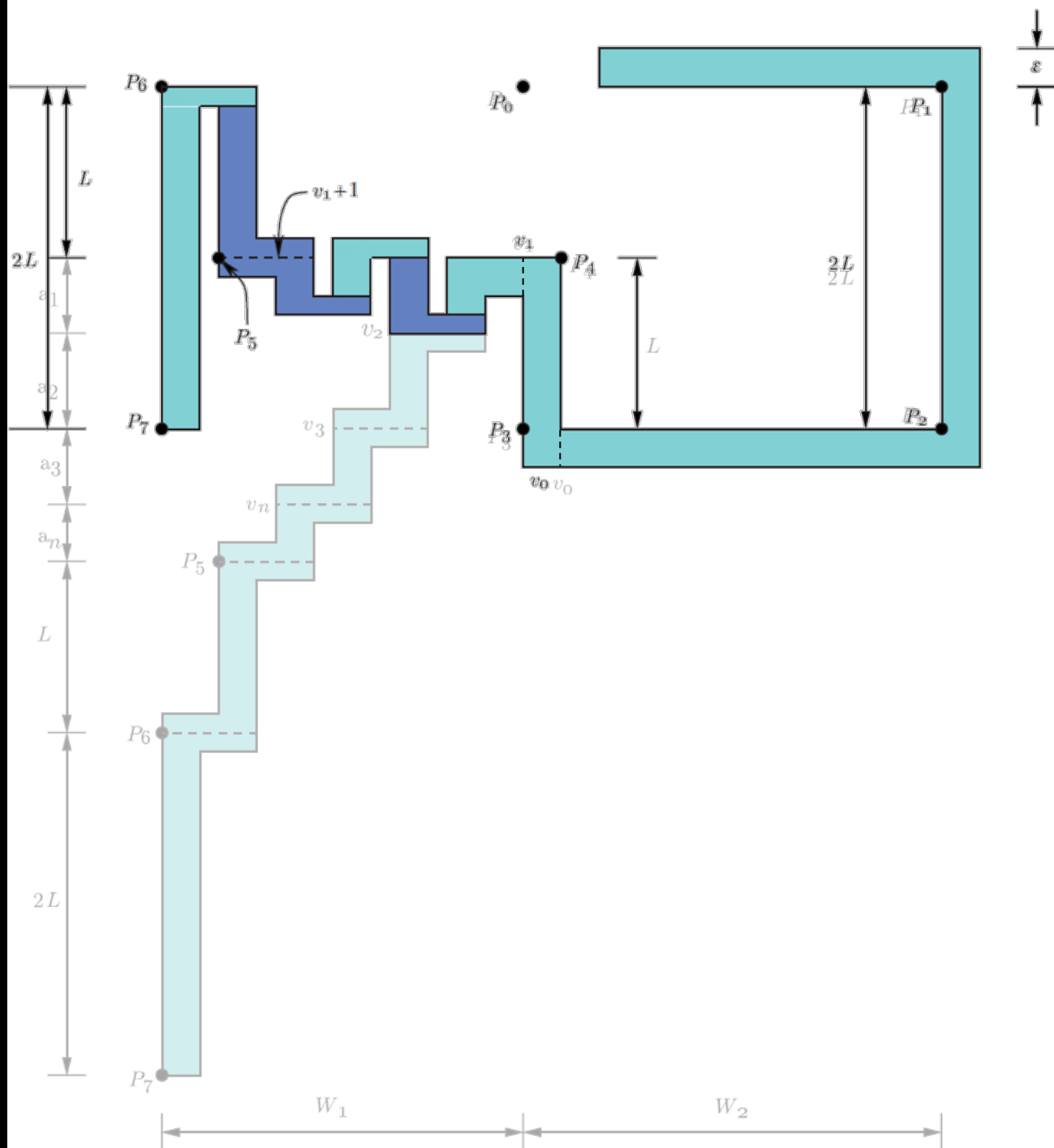
Random maze

text

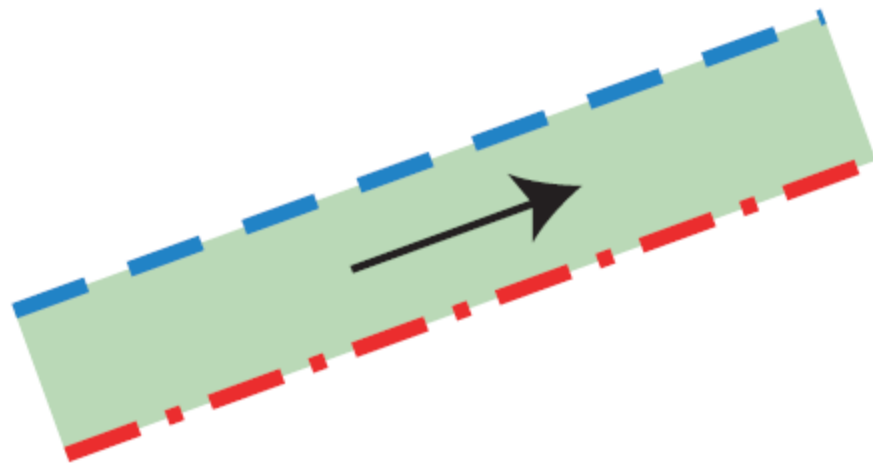




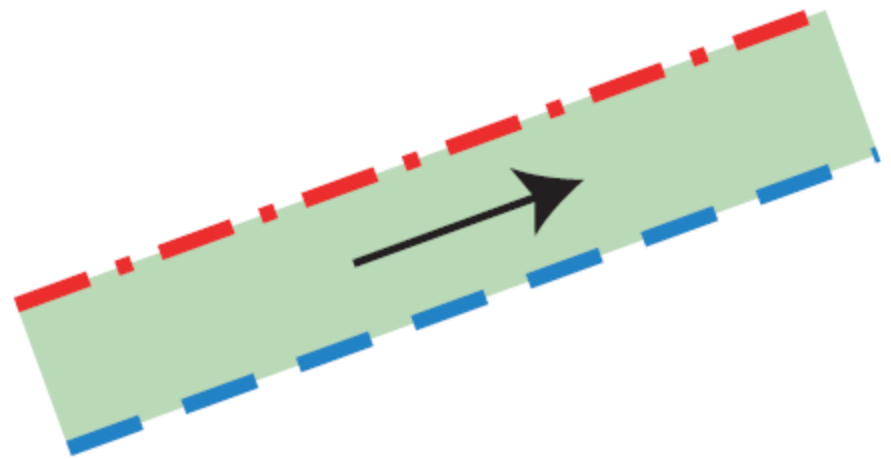
[Arkin,
 Bender,
 Demaine,
 Demaine,
 Mitchell,
 Sethia,
 Skiena
 2000]



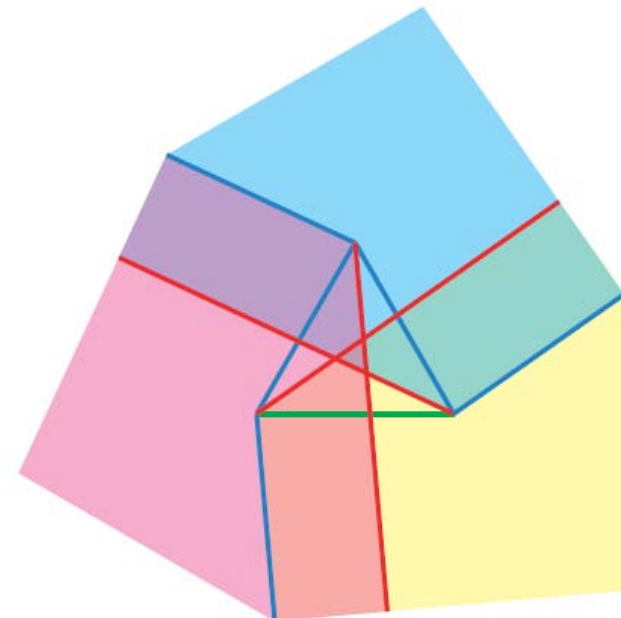
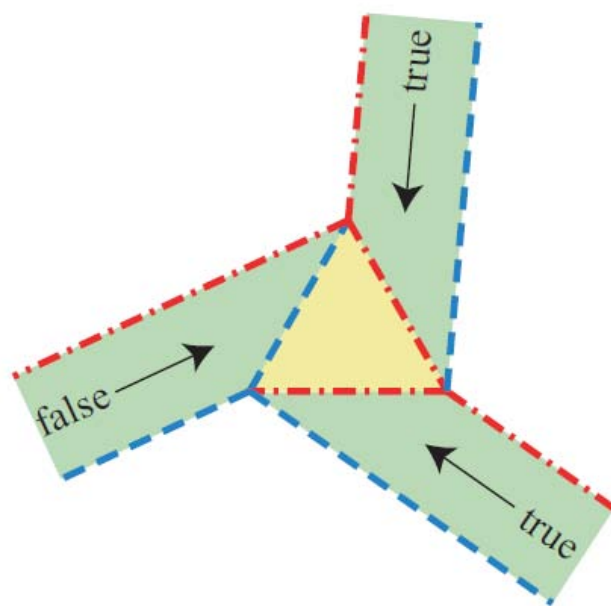
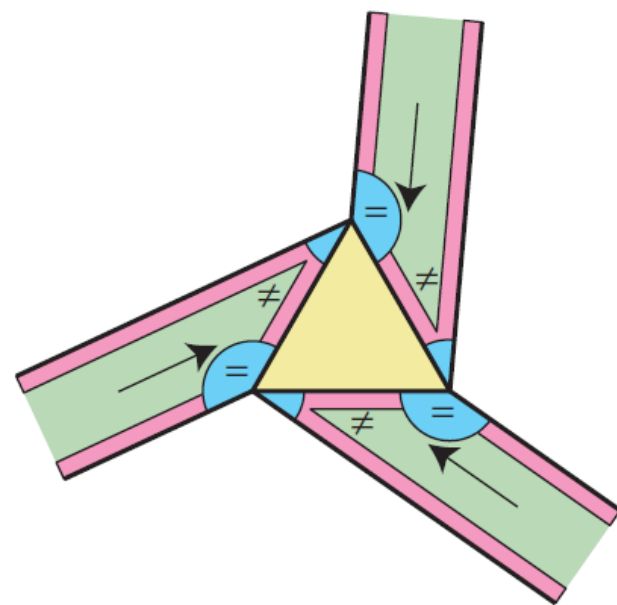
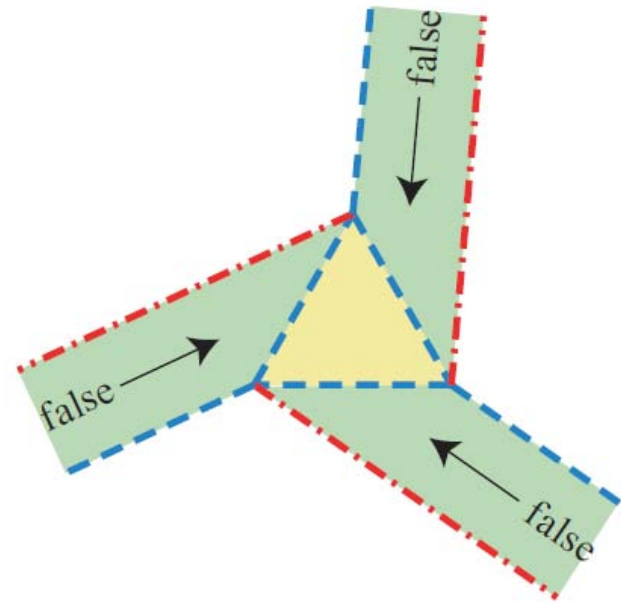
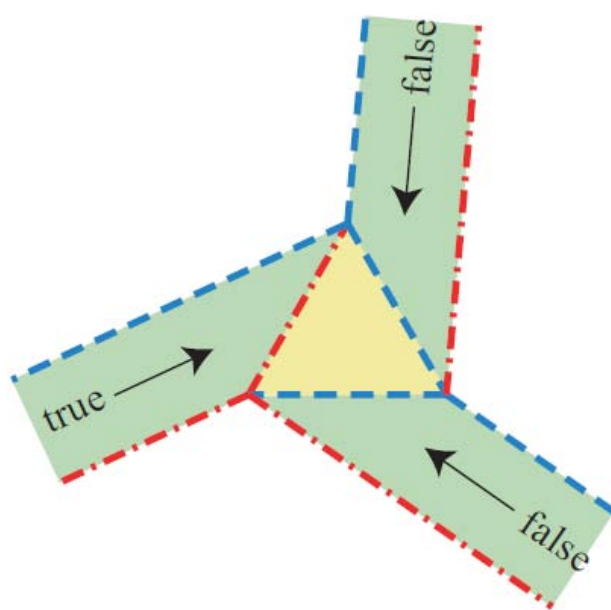
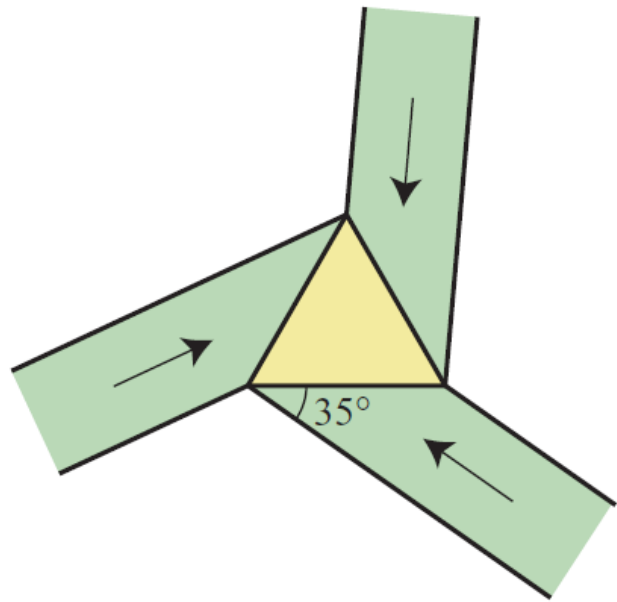
[Arkin,
 Bender,
 Demaine,
 Demaine,
 Mitchell,
 Sethia,
 Skiena
 2000]

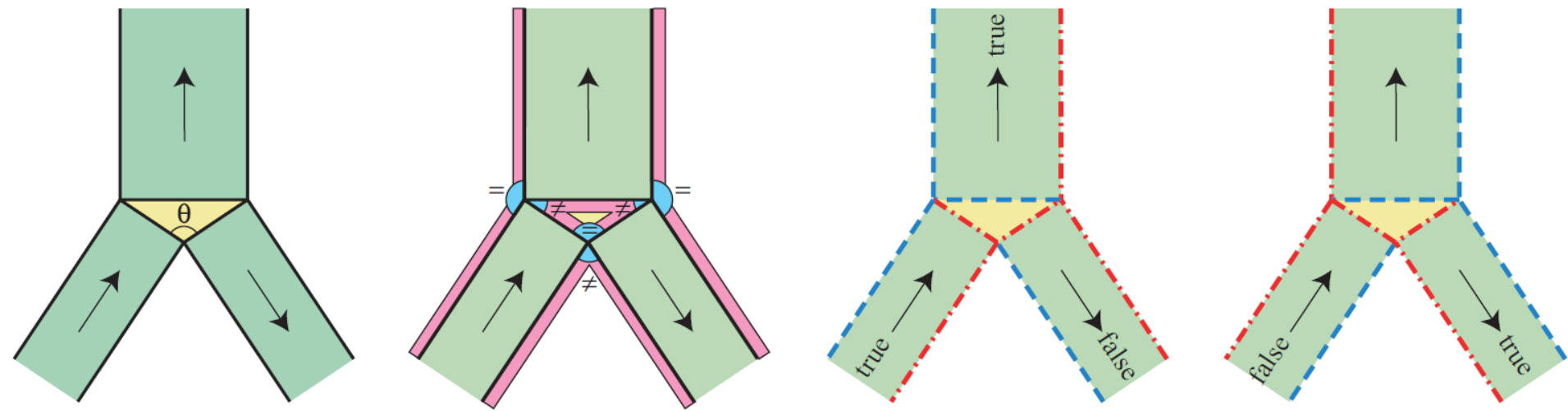


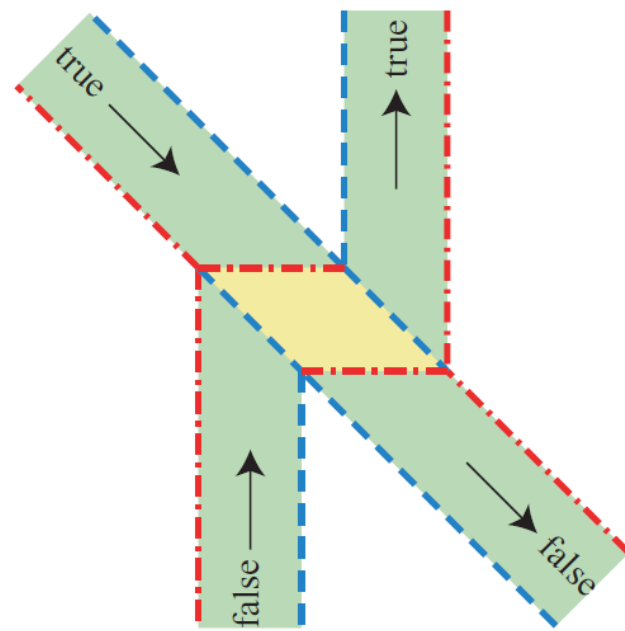
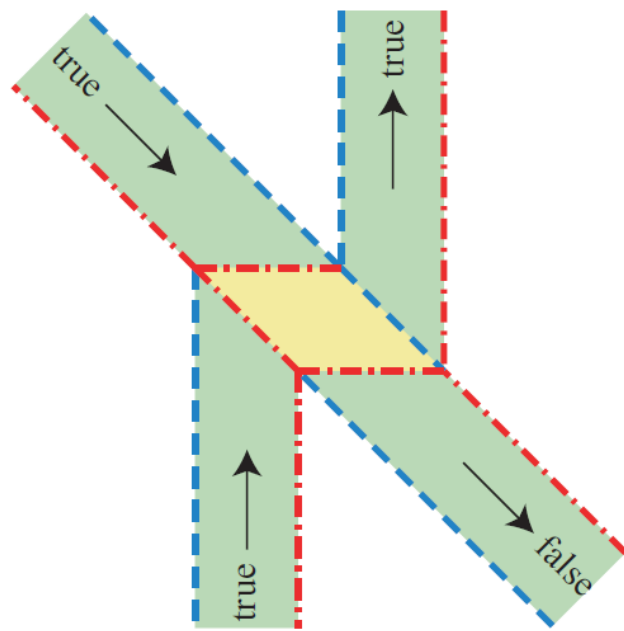
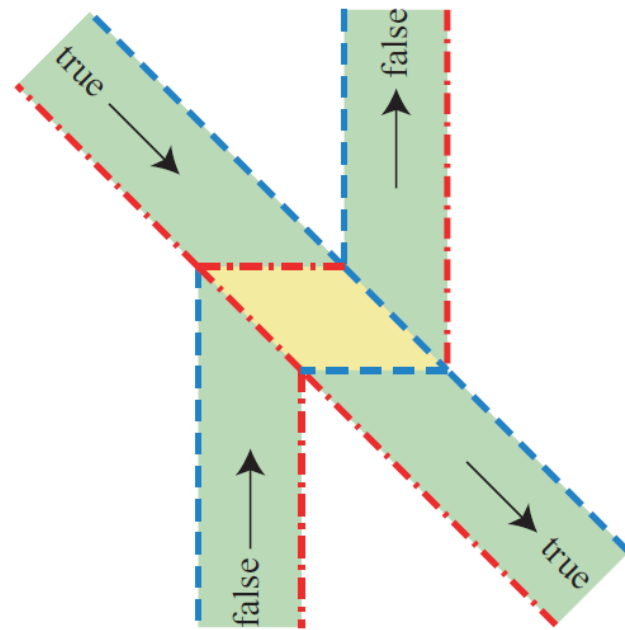
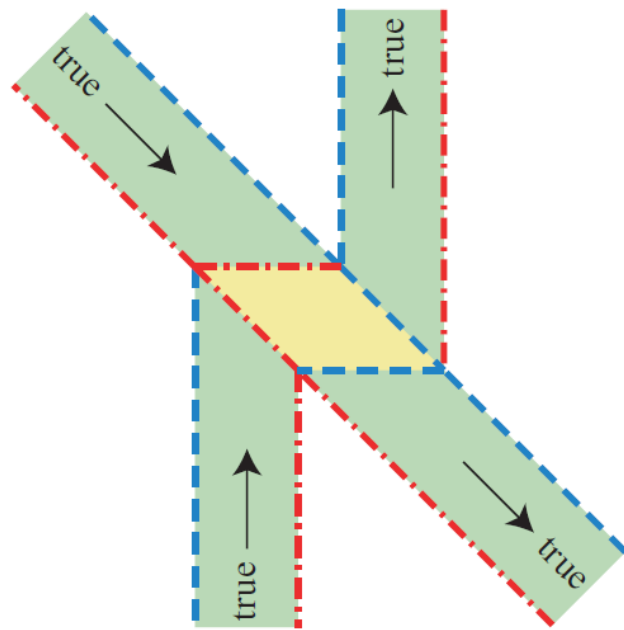
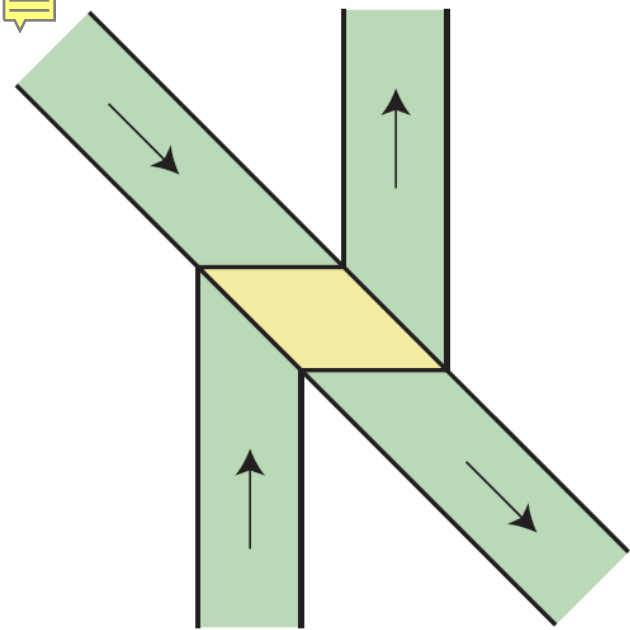
true signal



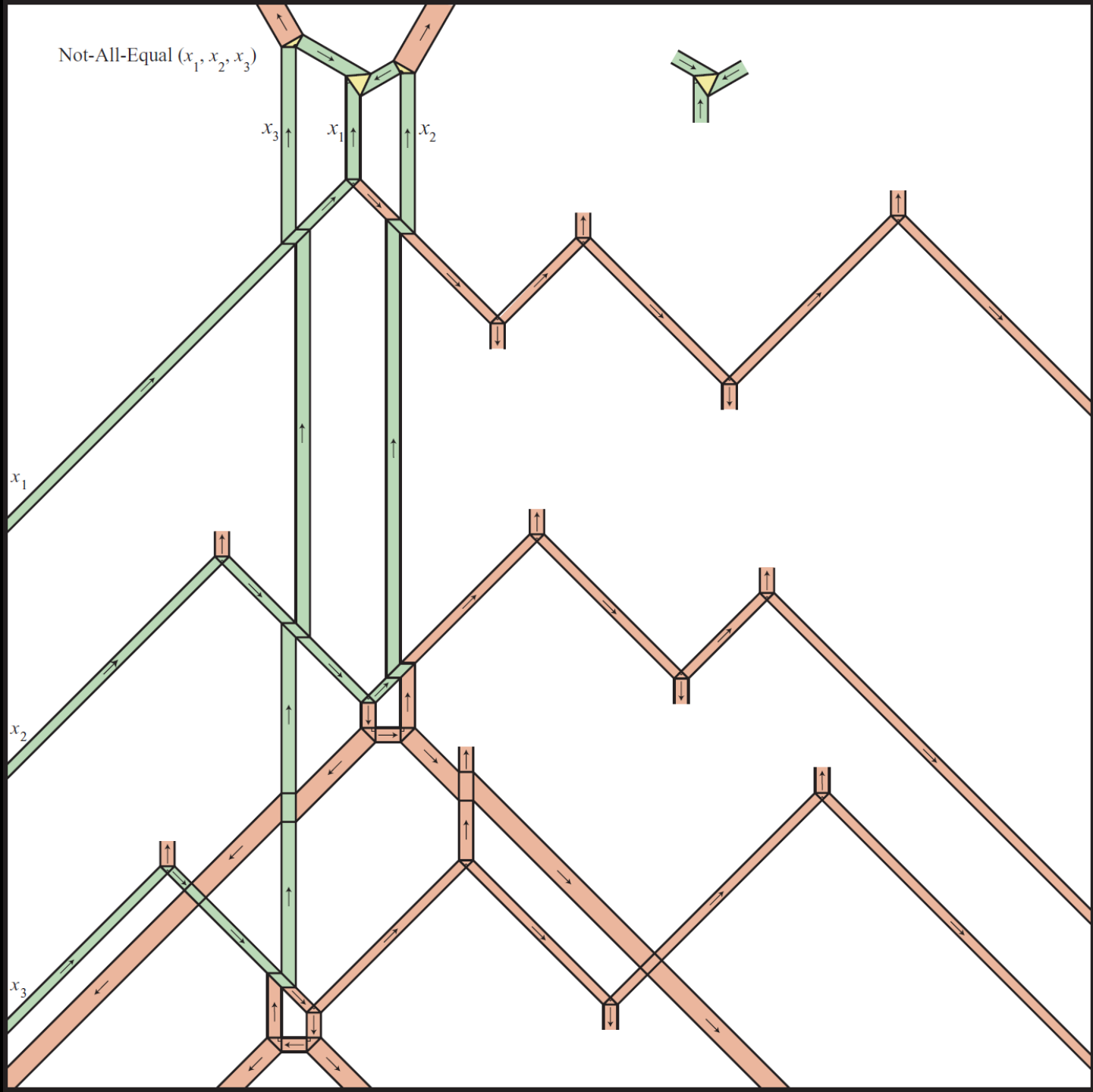
false signal







Not-All-Equal (x_1, x_2, x_3)



[Bern & Hayes 1996]

[Demaine, Fekete, Lang 2010]

