

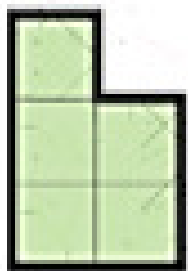
AGENDA

- Introductions
- Challenges
 - (warmup) Tiling with b, x, and y pentominoes
 - Tiling with dominoes on a chess board
 - Tiling with dominoes on a plank
 - Counting border patterns
 - An unsolved tiling puzzle
- Problem Solving Strategies
- Generalizing/Digging into Challenges

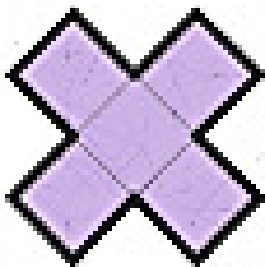
WARMUP

Is it possible to cover this 5x5 grid using only one of these types of pentomino?

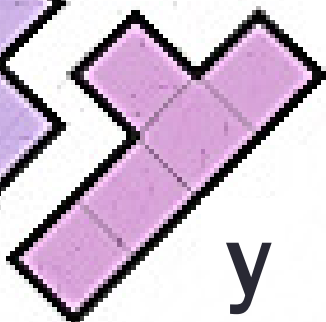
What about a combination of b, x, and y pentominoes?



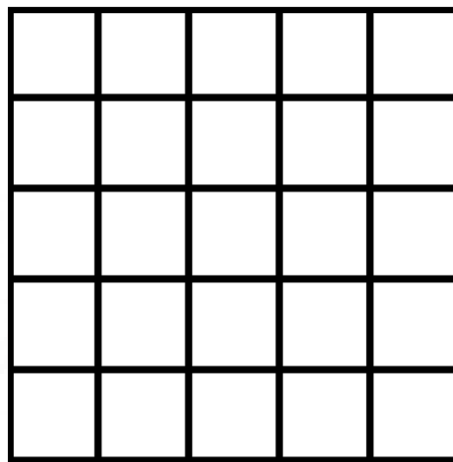
b



x



y



AN UNSOLVED TILING PUZZLE

Combinatorics I
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Find the full presentation at:
<https://sites.google.com/site/applelessgarde/mathcircle>

For Berkeley's
Math Circle
Program