

# Hidden Relations in Shidoku

What: **Bi-State Colloquium**

When: **Tuesday, October 30, 4pm**

Where: **Loras College, Hennessy 250**

Who: **Laura Bainter**

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By analyzing Shidoku puzzles, a smaller version of Sudoku, I was able to discover hidden relationships between givens and the probabilities of the next possible placements. We were able to uncover these hidden relations by looking at the effect of placing different values in the puzzle. With this particular focus, I created a tool to visualize the different patterns that emerge when placing givens in a Shidoku.

Laura Bainter is a senior math and business administration major at Loras. This presentation is in partial fulfillment of the Loras College mathematics major.