Exploring Mixed Strategies with Sage

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The following instructions are demonstrated in this video: `https://www.youtube.com/watch?v=Jfz9pU_2oHM&feature=youtu.be`:

1. Create an account at `https://cloud.sagemath.com/`.

2. Copy the worksheet at `https://cloud.sagemath.com/projects/2caafc5b-408d-46cd-be4f-db5d1c files/game_theory_demo.sagews` in to your own project.

3. If it's helpful this video explains most of the process `https://www.youtube.com/watch?v=QjXAvRiU4Og`.

Using the code there solve the following games, confirm these results using the equality of payoffs theorem:

$7, 3$	$4, 1$
$1, 2$	$6, 4$

$-4, 3$	$4, 2$
$1, 2$	$-3, 4$

$1, -1$	$-1, 1$
$-1, 2$	$1, -1$

$1, -1$	$-1, 1$
$-1, 1$	$1, -1$