## BAPHL15 Solution: Nifty Nonogram

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The first thing one might try in a puzzle about nonograms (also known as Paint by Numbers) might be to solve the nonograms. Of course, all of the nonograms are the same. Even worse, the nonogram has multiple solutions. However, if we check all the solutions for the nonogram we find out there are 9 possible solutions. The are 9 nonogram grids so we might suspect that each grid will use one of the 9 solutions. The question then becomes which solution goes with which grid.

To figure which nonogram solution goes with which grid we try to identify the images. Some of the images may be harder to identify than the others. Hopefully, some of the identifications (in particular CANOE, LINER, LINUS, SNOUT, and TONER) are obvious and indicate that all of the identifications are 5 letters long and that they are in alphabetical order. This should allow for a few more identifications. With enough identifications, it should become clear that many of the letters are present in multiple words.

Since all of the images are 5 letters long, we might make the leap of logic that each image matches to one of the nonogram solutions through its letters. With the final $4 \times 4$ grid in the bottom right of the puzzle, we might realize that each square in the $4 \times 4$ grid is associated with a letter and that the nonogram solutions specifies 5 letters, which is the image identification. It then becomes a logic puzzle to determine which letter goes in which square. The solution to that is found in the image below.

Finally, we have to deal with the numbers in the $4 \times 4$ grid of letters. Since these numbers run from 1 to 13 we realize that we are getting a phrase of 12 letters using the specified letter. This gives the clue phrase "KING LEAR GENRE" which is "TRAGEDY".



| S | R | C | V |
| :---: | :---: | :---: | :---: |
| $\mathbf{8 , 1 2}$ |  |  |  |
| N | G | L | O |
| 3,11 | 4,9 | 5 |  |
| E | U | M | P |
| $6,10,13$ |  |  |  |
| K | A | T | I |
| 1 | 7 |  | 2 |

