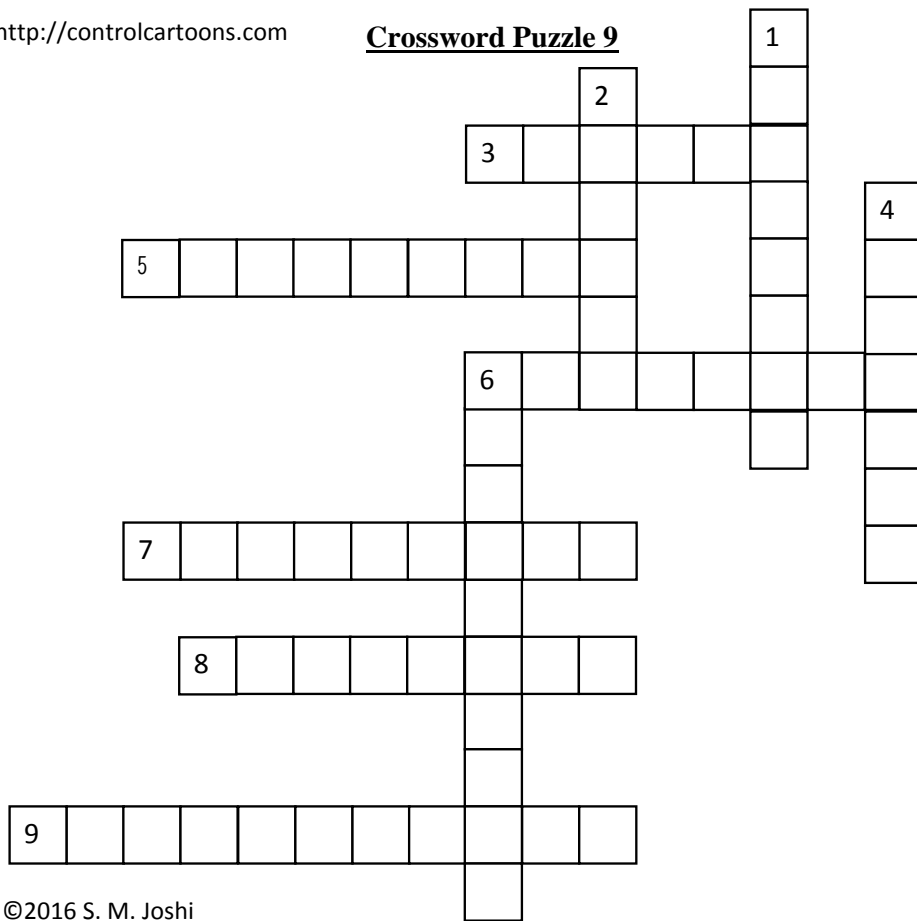


Crossword Puzzle 9



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Across

- 3. (Part 2 of 1-Down)
- 5. (Two words together) Interconnected (esp with feedback loops) system that has a state-space realization
- 6. This matrix has non-trivial null space
- 7. To fill out the bottom of this form, the most important coefficients are needed
- 8. Interconnecting systems this way is a moving experience for lambdas.
- 9. What does it take to be satisfactory to state equation? This matrix, basically!

Down

- 1. (Two words, along with 3-Across) A,B,C can be obtained from this part of transfer function
- 2. To fill out this form, crosswise blocks are needed
- 4. Minimal realization order of $N(s)D^{-1}(s)$ = degree of determinant(D) iff N and D are this
- 6. Lambdas aren't so shifty with this transformation