

# February 2023 Problem of the Month

**Make the number 2023.** You may use 9's and the four basic operations (+, −, \*, /), parenthesis, exponentiation, factorial, and square root. Use as few 9's as you can.

For example, here is one way to make 1000 using eight 9's.

$$\left(99 - 9 * 9 - 9 + \frac{9}{9}\right)^{\sqrt{9}} = 1000$$

Please email solutions to Dr London at [slondon@luc.edu](mailto:slondon@luc.edu) in PDF form by 11:59 pm on February 28.



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