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In general, it's not hard to implement this program in either Fortran or Ada. The Pascal program already shows the hints about turning normal expressions to reverse-polish. The stack data structure can just simply use arrays instead and all I need to do is to follow the algorithm from Pascal program.

Fortran is a little bit easier than Ada. Ada has a very limited ability to handle the string and character. Ada puts a lot of attention on variable types and doesn't have lots of options to cast it by itself, which brings lots of trouble to get the program run correctly.