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CPE 202

When trying to calculate 1000!, I noticed that my factorial\_iter() function gave me the result, while factorial\_rec() gave me a stack overflow error. This was due to python’s built in recursion limit which is 1000. This means that python won’t let a function call itself over 1000 times at once. In the case of my functions, by calling factorial\_rec(1000), the function would have to call itself over 1000 times in order to calculate the result, so python raises an error.