CS 180 Homework 2

Due Friday, July 16, 2021

Problem. Arrange the following functions in the ascending order of growth rate. Explain the suggested ordering.

$$\log_{2}^{2}n$$

$$\log_{10}2^{n}$$

$$\log_{2}n^{3}$$

$$\log_{2}^{2}n^{n}$$

$$\log_{2}^{2}n+2n$$

$$\log_{10}(10n)$$

$$a\log_{10}^{2}n+b\log_{10}n+c$$

$$\log_{2}^{2}(n+2n)$$