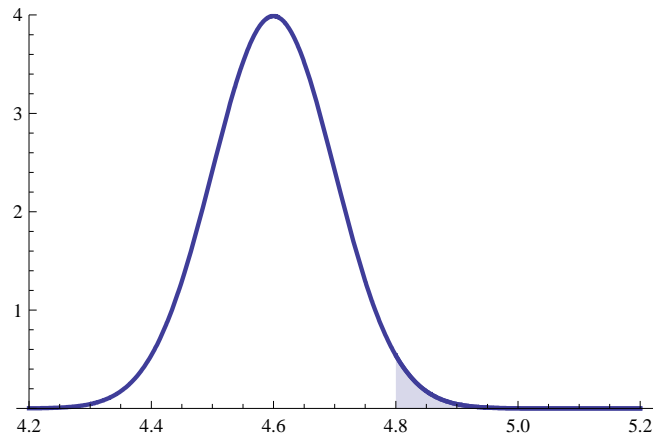


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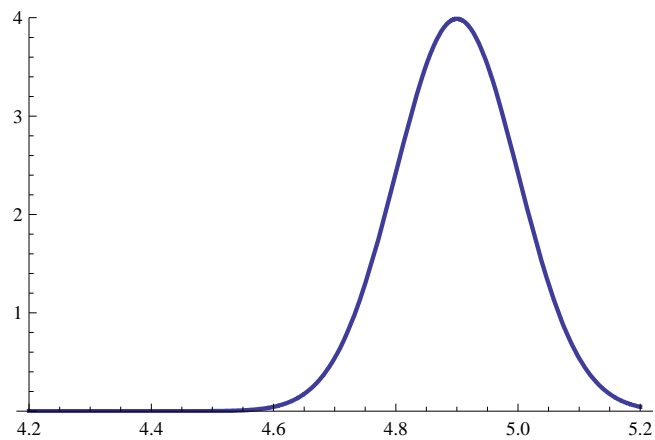
Exercise 25

(a) The two distributions for H_0 and H_1 :

H_0 : It is Machine A



H_1 : It is Machine B



(b) (i) The p -value is shaded in the H_0 graph in part (a).

(ii) The p -value is given by `normalcdf(4.8,E99,4.6,.1) = 0.0228`.

(c) The p -value is greater than 0.01, so the decision is to accept H_0 .