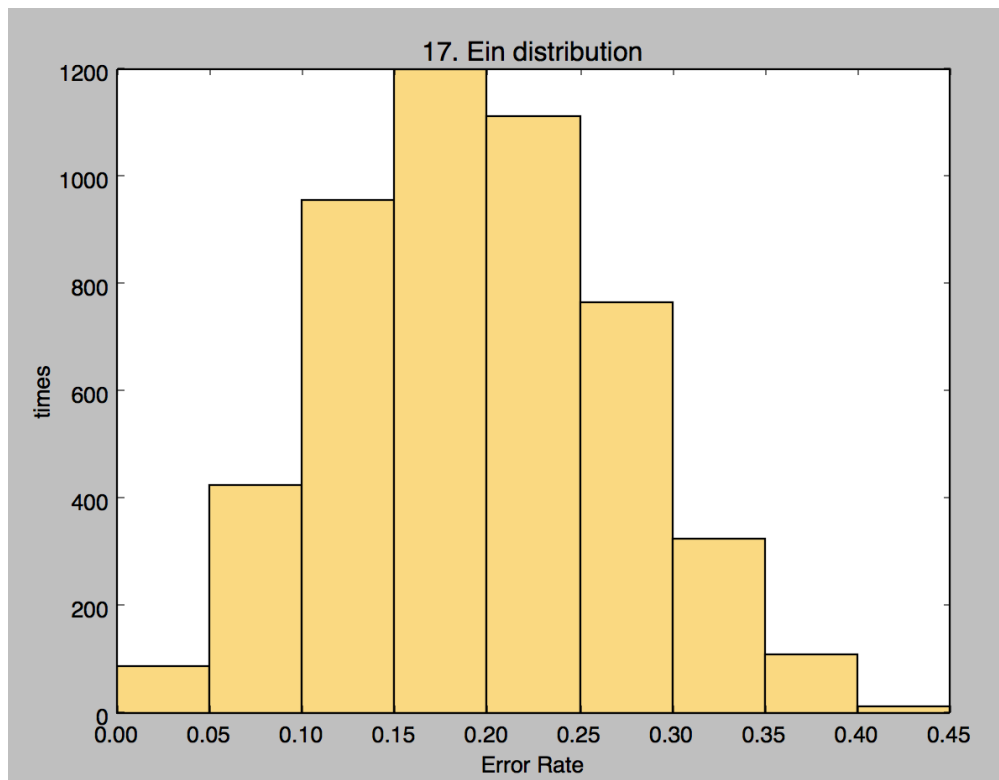
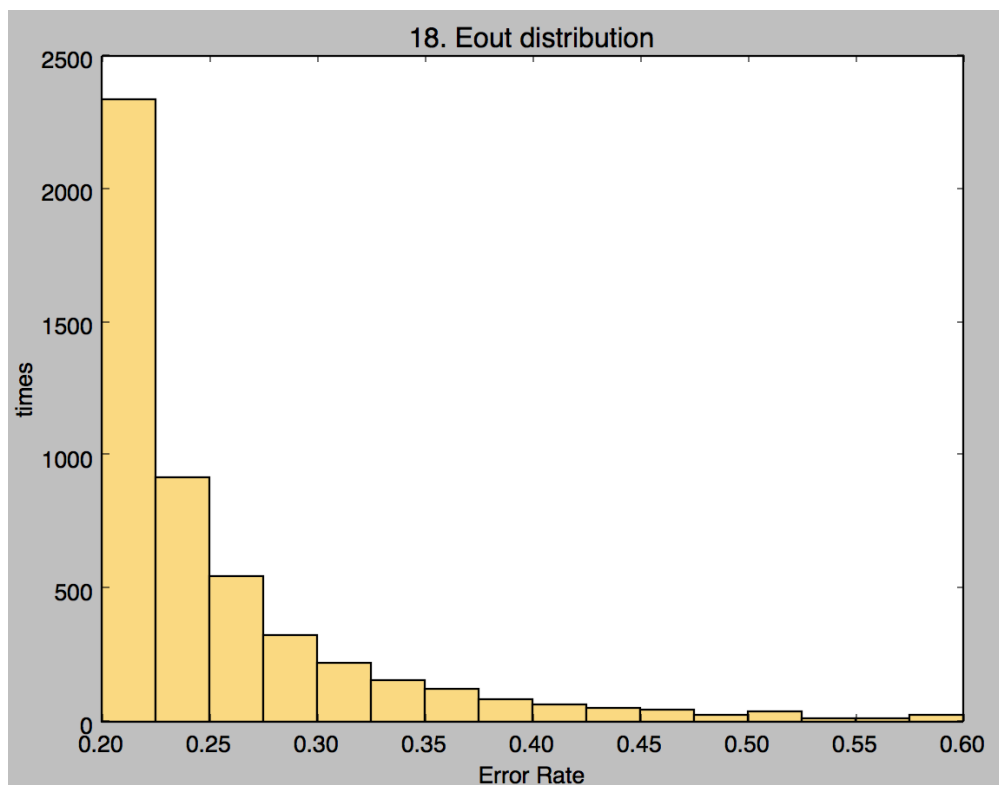


17. average  $E_{in} = 0.17066$



18. average  $E_{out} = 0.256042847687$



19.  $E_{in}$  of the optimal decision stump = 0.25  
the optimal decision stump,  $\theta = 1.6175$ ,  $s = -1$
20.  $E_{out} = 0.355$

