Probability that Ensemble makes a wrong prediction:

1. Probability of model containing 11 independent models, all of which have an error rate of 0.2

= 0.0859

1. Probability of model containing 11 independent models, all of which have an error rate of 0.49

= 0.000607

1. Probability of model containing 21 independent models, all of which have an error rate of 0.49

= 0.0000007227