Homework 7: Program I.2

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The following three histograms show the distribution of the number of balls in bin A after 10^3 , 10^4 , 10^5 swaps. In all cases, bin A starts out with 1000 balls, and 1000 iterations of each simulation are done, resulting in one data point per simulation.

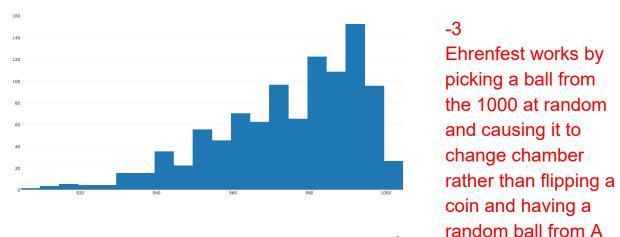


Figure 1: The distribution of the number of balls in bin A after 10^3 swaps. go to B for heads and B to A for tails

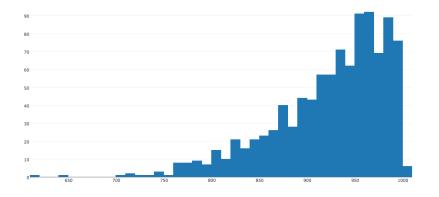


Figure 2: The distribution of the number of balls in bin A after 10^4 swaps.

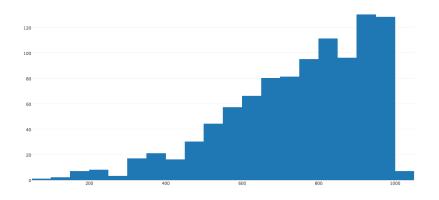


Figure 3: The distribution of the number of balls in bin A after 10^5 swaps.