	Mean of empirical	
no_of_trails	data	Graph
10000	0.008722	a de la constante de la consta
20000	0.0087335	The first the state of the stat
30000	0.008762	and the state of t
40000	0.008726	The state of the s
50000	0.0087484	a de la constanta de la consta
60000	0.00875	
70000	0.00875229	and the state of t
80000	0.00874788	
90000	0.00872711	1
100000	0.0087295	1

The mean of empirical distribution is floating and not converging to a specific number. The reason is because Cauchy Distribution do not own the expected value. As a result, the mean of empirical data will not converge as $n \rightarrow \infty$ with probability one.