

Assignment #3 CPE593

Name: Feng Liu

CWID:10446406

Output of my code:

arrays will be picked sequential one by one

When n = 10 :
None of the reports met the threat threshold.

arrays will be picked randomly one by one

When n = 10 :
None of the reports met the threat threshold.

arrays will be picked sequential one by one

When n = 100 :
Source <12> reported a malware with maliciousness score of <71>.
The source found after interviewing <12> candidates.

arrays will be picked randomly one by one

When n = 100 :
Source <50> reported a malware with maliciousness score of <72>.
The source found after interviewing <2> candidates.

arrays will be picked sequential one by one

When n = 1000 :
Source <3> reported a malware with maliciousness score of <70>.
The source found after interviewing <3> candidates.

arrays will be picked randomly one by one

When n = 1000 :
Source <99> reported a malware with maliciousness score of <71>.
The source found after interviewing <6> candidates.

arrays will be picked sequential one by one

When n = 10000 :
Source <71> reported a malware with maliciousness score of <77>.
The source found after interviewing <71> candidates.

arrays will be picked randomly one by one

When n = 10000 :
Source <2021> reported a malware with maliciousness score of <71>.
The source found after interviewing <14> candidates.

#n	RunTime_sequential	RunTime_random
10	253	395
100	9.94922e-44	1.96182e-44
1000	20352	19749
10000	205231	273917

Graph:

