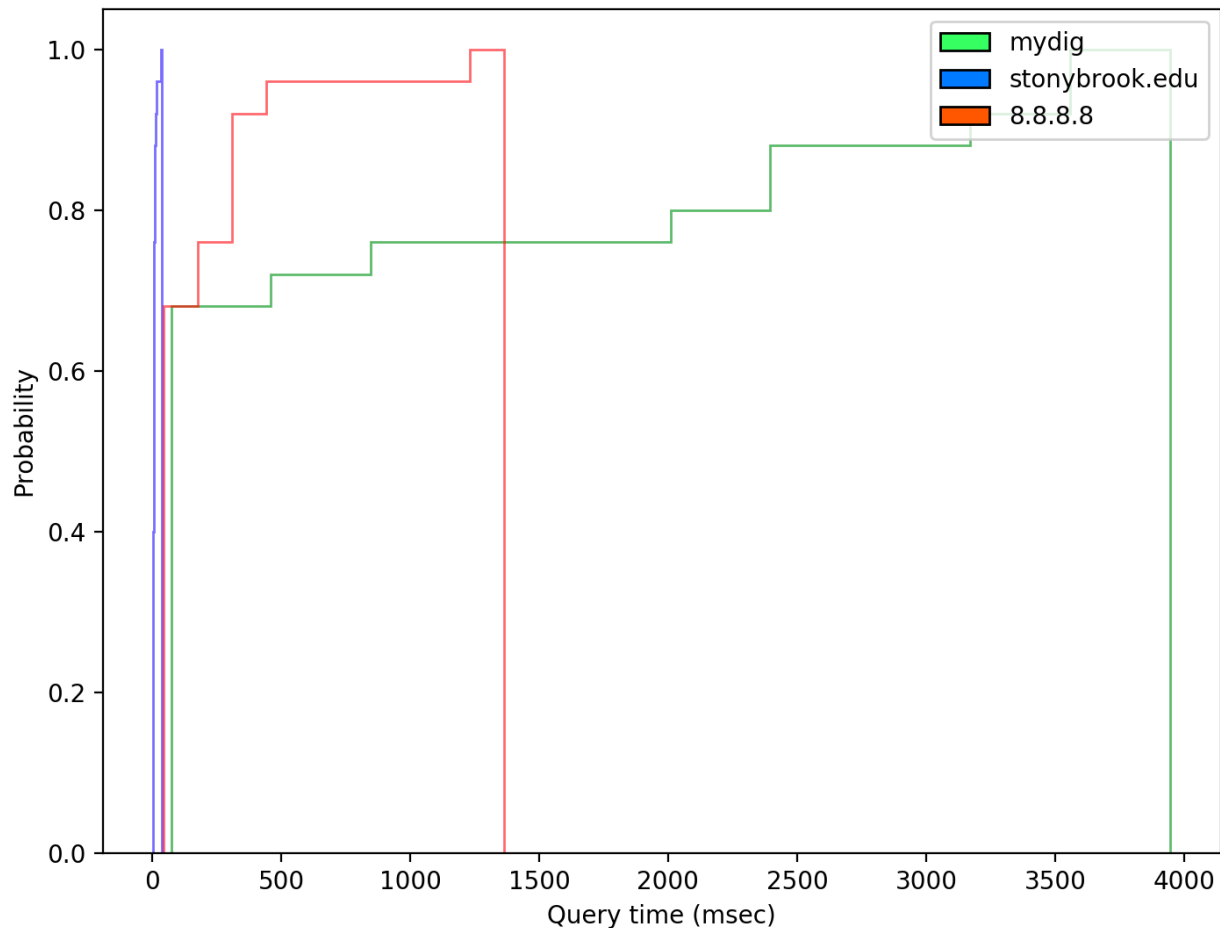# Performance analysis_Part C

Junyi Tao

CDF graph:

Analysis: The DNS server of stonybrook.edu performs very well: more than half of query time for the top 25 sites are under 10 ms and all of the queries finished under 40 ms. One possible reason is that the server cached most popular web locally so there is no need to send the query globally. The google DNS server is a little slower than the stonybrook DNS server for the first about 70% sites. My own mydig tool works much slower than them. I think the most important factor is that I do not implement cache on my tool. In addition, for both google DNS server and my mydig tool, almost all queries spent more than 500 ms are for the domain from china, I think tow possible reasons are: the distance; the great wall firewall implemented on Chinese Internet by the Government.