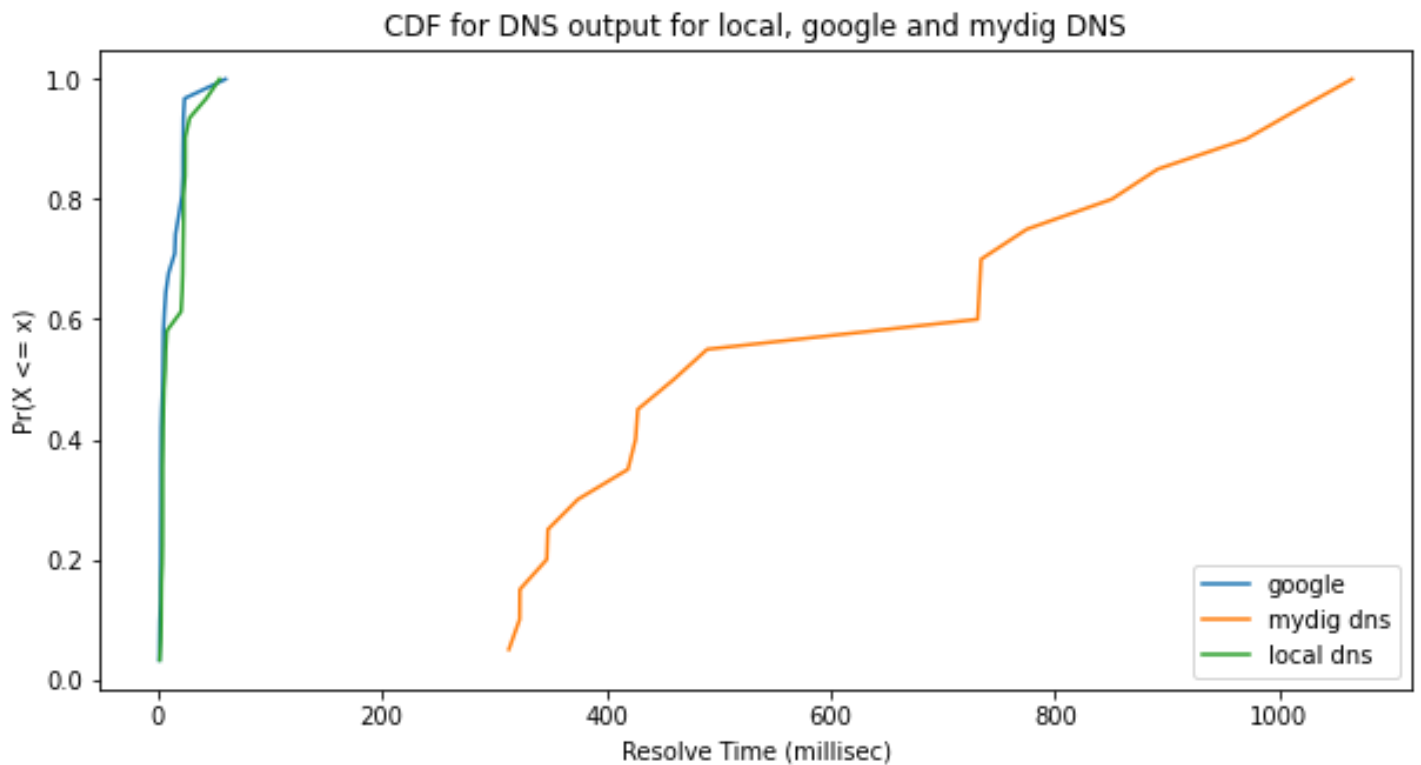


OUTPUT OF PART C:



For the CDF, I've taken the fastest resolving 25 sites from my corpus of 30 sites that I tested against. I've added the results of those tests below. The X axis denotes the resolution time in milliseconds and the Y axis describes what is the proportion of sites that have been resolved by the DNS by a particular time (local, google or mydig).

Explanation:

The resolution time of the Google DNS and the Local DNS is much faster than that of mydig dns. I suspect this to be possible due to few things like the following:

1. **Caching:** The servers could cache the requests and then provide them instantly till TTL ends for the entries. mydig dns doesn't do any such thing
2. **Better compute power:** mydig that I've created, relies upon performance of my local machine. DNS servers usually have very powerful base machines to work upon. Increase RAM and Computation power making the processing between iterative queries very fast.
3. **Another step in the resolution:** mydig relies upon local and google dns servers. So, there is time taken to request a resolution and wait for the output from the local and google dns servers.
4. **International server resolution:** Resolving single queries for different records from international sites (Chinese) is extremely costly for mydig. However, edge computing can be put into picture by google dns and local dns to improve performance drastically.

**Output of the different websites available
(Average resolution time in milliseconds)**

Company Name	Local DNS	Google DNS	mydig
google.com	5.2	3.8	347.7
youtube.com	5.5	5.2	348
baidu.com	24.88	19.2	1863
sohu.com	24.75	22	1565.5
facebook.com	4.73	1.89	419
360.cn	43.6	6.34	3803
tmall.com	5.98	16.2	1016.6
qq.com	22.8	2.13	2193.3
taobao.com	22.6	60.8	1064.5
panda.tv	24.9	10.07	891.2
zhanqi.tv	7.44	24.17	1352.7
alipay.com	21.11	23.19	1163.9
csdn.net	23.38	4.7	1464.1
microsoftonline.com	8.4	7.5	428.1
amazon.com	5.03	3.16	774.1
yahoo.com	4.7	5.014	850.4
wikipedia.org	2.1	1.71	489.9
libo.com	22.08	22.8	730.9
sina.com.cn	23.129	22.77	1824.8
zoom.us	4.77	3.04	969.9
xinhuanet.com	55.4	23.03	2309.1
live.com	4.69	3.43	732.5
netflix.com	3.74	2.96	322.8
reddit.com	4.62	3.93	323
microsoft.com	6.98	3.2	313.2
instagram.com	4.44	3.19	347
Office.com	3.067	2.81	733.9
google.com.hk	23.29	5.43	1427.4
bing.com	3.45	2.88	426.1
myshopify.com	3.55	3.04	460.3