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Computer Networks Lab - 5

1. answers are given below:

- Unique ip prfixes : 525483
- Unique Ases : 34

2. the desired output (prefix, as_path) is generated in *a.txt* file once the code will be executed.

3. the output can be found at *whois_a.txt* file which is basically three ases values

website used for as lookup = [link1](#), [link2](#)

as_values	Name
4755	Tata Communications Limited
55410	Vodafone Idea Ltd. (VIL)
55824	National Knowledge Network

4. the output can be found at *top_10_ases.txt* file

as_values	Name
174	Cogent Communications
3356	Level 3 Parent, LLC
6939	Hurricane Electric LLC
7018	AT&T Services, Inc.
4323	Level 3 Parent, LLC
209	CenturyLink Communications, LLC
701	Verizon Business
6461	Zayo Bandwidth
3549	Level 3 Parent, LLC
9002	RETN Limited

these organizations are looking like an ISP organizations which basically tries to send data through the use of their autonomous systems.

output after running the code

```
please wait it will take a while (around 5 Mins)
unique prefix: 525483
unique as: 34
entries in set A: 122
entries insti-A buys network service from: 3
completed in 136.977 Sec
root@LAPTOP-N4BIN1J0:/mnt/d/coding assn sem6/cn assn/assn5#
```
