

[DNS Exercise 2.2] DNS Worksheet

Domain name to test: _____ Query type:
"A"

1. Start at any root server

```
# dig +noredc @k.root-servers.net. _____ a
```

2. Referral: what NS records were returned in the "authority" section? List them here.

3. Repeat your query for every NS record found in step 2. Was the response a referral or a final authoritative answer? List the response here.

Did every server respond? ____ Were the responses the same? ____

4. If step 3 was a referral, repeat again for every NS record found. List the response here.

Did every server respond? ____ Were the responses the same? ____
Continue for further referrals if necessary.

5. Checklist:

- did all the nameservers give a response?
- did they all give either a referral to a subdomain, or an AA (Authoritative Answer)?
- were all the answers from each group of nameservers the same?
- did each group consist of at least two nameservers on two different networks?

For the final set of authoritative servers:

- did the list of NS records in the Authority Section match the list of nameservers in the referral from above?
- were the TTL values reasonable?