# Homework 7

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1. RRSIG.

2. Yes. Physically, it has multiple network interfaces. And in the DNS name server, a same name can correspond with multiple entries like:

```
cs.vu.nl.        86400  IN  MX    1 zephyr
cs.vu.nl.        86400  IN  MX    2 top
```

3. Yes.

4. $100 = 3 * 33 + 1$, so the length is $4 * 33 + 4 = 136$ Bytes.

5. (Refered to the answer) Yes. Send the URL.

6. `ftp://ftp.math.stanford.edu/ftp/pub/forReview/newProof.pdf`

7. (Refered to the answer) (a) and (c) can work with both and JavaScript will be faster; (b) should use PHP as the server will use the database.

8. Yes. CDN is like a cache for anycast, and is provided by some companies or the providers themselves. ISP can take the charge of those companies and assemble the providers.

9. Like what we said in Problem.8, CDN is like a cache. So if the content is real-time, we should not use CDN.

10. Though the process of transfer is peer-to-peer, there need to be a central controller to confirm the client with whom to transfer.