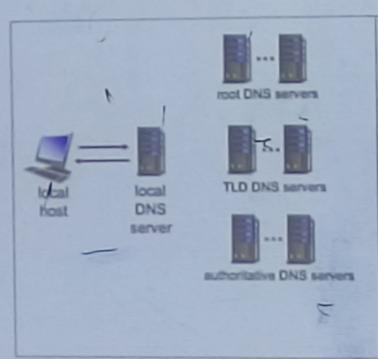
III. DINS Part Two (5 pts)

Suppose that the local DNS server caches all information coming in from all root, TLD, and authoritative DNS servers for 20 time units only before the record will expire. (Thus, for example, when a root server returns the name and address of a TLD server for .com, the cache remembers that this is the TLD server to use to resolve a .com name for 20 time units). Assume also that the local cache is initially empty, that iterative DNS queries are always used, that DNS requests are just for name-to-IP-address translation, that 1 time unit is needed for each server-to-server or host-to-server (one way) request or response, and that there is only one authoritative name server (each) for any .ph or .com domain. Please note that the local host's machine does not cache any records inside the machine, all IP resolution by the host will be asked to its local DNS server.

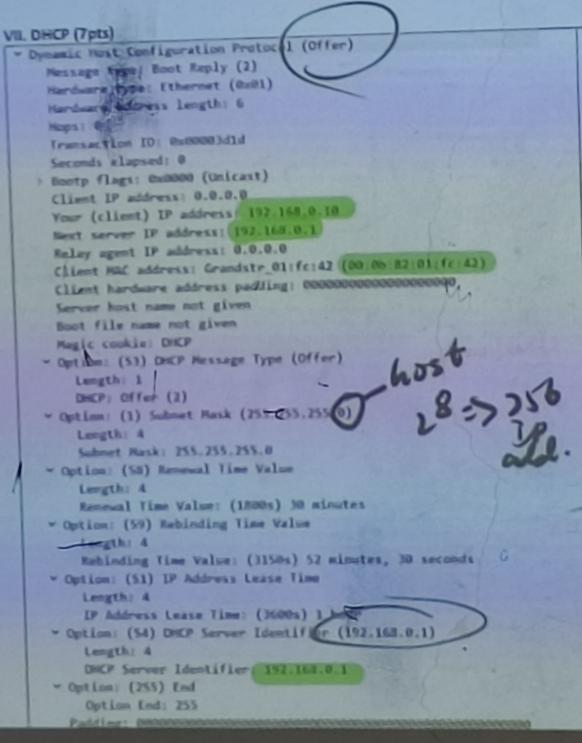


Consider the following DNS requests, made by the local host at the given times:

- t=0, the local host requests that the name ccs.dlsu.edu.ph be resolved to an IP address.
- t=1, the local host requests that the name <u>creative.arts.org</u> be resolved to an IP address.
- t=5, the local host requests that the name coe.up.edu.ph be resolved to an IP address.
- t=10, the local host again requests that the name ccs.disu.edu.ph be resolved to an IP address.
- r=12, the local host requests that the name ust.edu.ph be resolved to an IP address.
- t=30, the local host again requests that the name ccs.disu.edu.ph be resolved to an IP address.

3-1. What is the total time units need to resolve ccs. disu.edu.ph at t=0?

3-2. What is the total time units need to resolve creative arts org?



7-1 What is the message operation code of the DHCP payload?

7-2 What is the current client's IP address?

7-3 What is the gateway IP address?

7-4 What is the value of the offered IP address?

7-5 What is the value of client hardware address?

7-6 What is the DHCP IP address?

192-168-0-0-

Total State of Advances	C Coant, to locate a Linux server
A. Server, to offer an IP address	D. Client, to request an IP address
B. Server, to acknowledge a request	
h of a course DisCP server	r in a network?
4. What is/are the consequence/s of a regue DHCP serve	C intercept client messages
A. Provide incorrect IP address configuration	D. All of the above Joptions A, B, and C)
B. Exhaud the address pool	A. C.
5. What is the purpose of a DNS registrar?	C. To manage DNS zones
A. To host DNS servers	D. To resolve domain names
1 To register domain sames	D. to resurve durings reserve
6. Which of the following is an example of an FQDN?	
A. https://www.disu.instructure.com	C https://disu.instructure.com
(E was disconstant top	D. www.disu.instructure
The same of the sa	T.
7. Which of the following is NOT a typical use of Syslog?	
A. Security incident detection	C. Early failure detection
8, Network usage reporting	D. Data encryption
g. Which layer of the Sysing architecture puts messages on the wire and takes them off the wire through a chosen,	
transport layer protocol?	
A. Encryption	C Tomour
8. Authentication	D. Compression
9. What TFTP message should be used to initiate a file download request?	
(A PAC)	C DATA
	D. ACK
8. WRQ	10.00
All lethick assessed in \$1000 a marked over more for TETELS	
10. Which scenario is NOT a typical use case for TFTP?	Assessment and the second
A. Transferring formware updates	Or parpetral rule persons
8. Backing up network device configuration	D. Booting thin clients
	- Melitine
BALL	