

CSE-421

Project

: Topic-2 (We Chat)

Group-21

Topic-2 (We dat)

- Harts - IP's - Given - H.B. - N.B.

Dtaka - 2480 - 2482 - 4096 - 12 - 20

Rajshahi - 1830 - 1832 - 2048 - 11 - 21

Ctg - 1092 - ~~1094~~ - 2048 - 11 - 21

Khulna - 654 - 656 - 1024 - 10 - 22

Sylhet - 480 - 482 - 512 - 9 - 23

Rangpur - 196 - 198 - 256 - 8 - 24

WAN 1 - 2 - 4 - 4 - 2 - 30

WAN 2 - 2 - 4 - 4 - 2 - 30

WAN 3 - 2 - 4 - 4 - 2 - 30

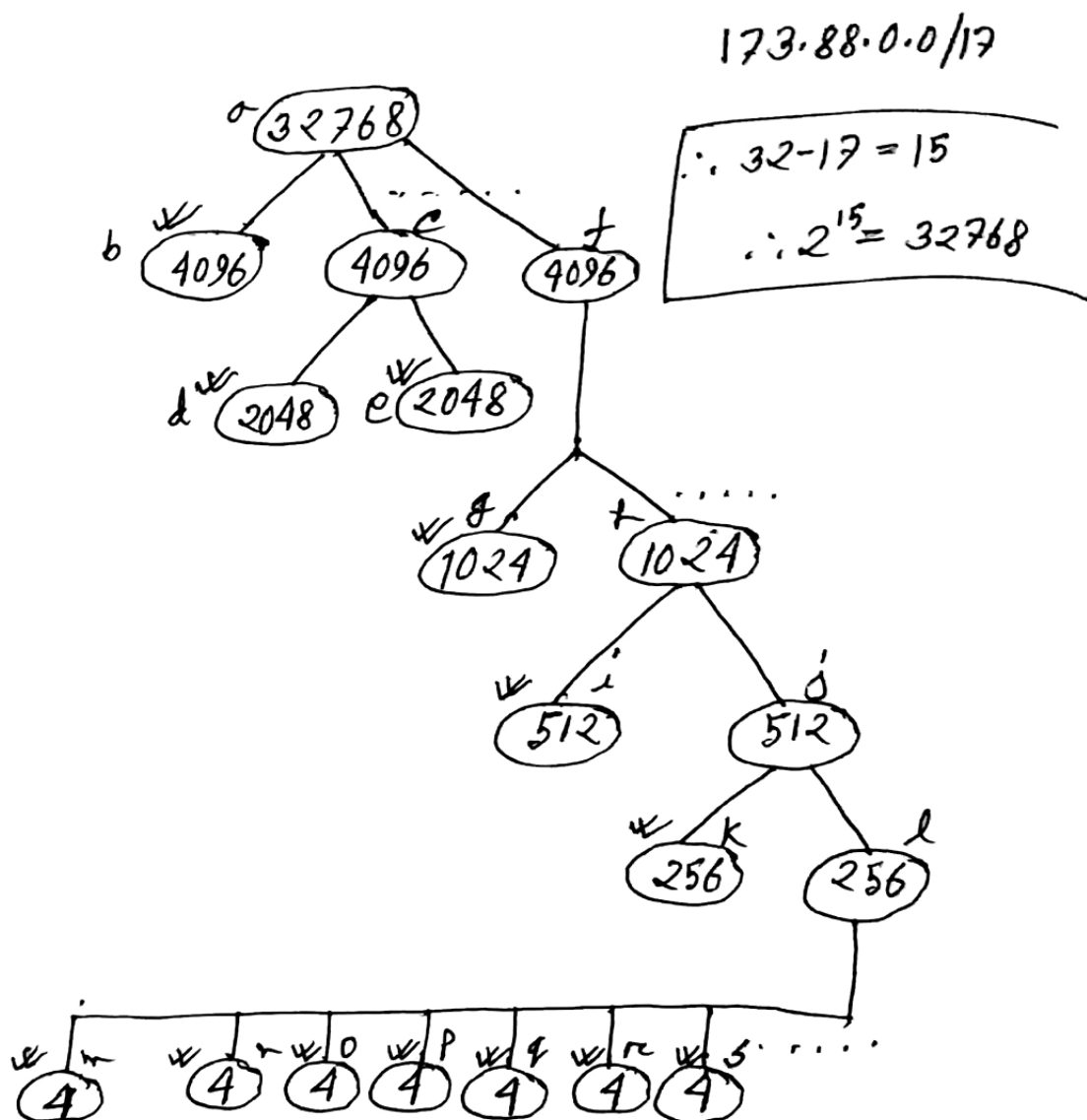
WAN 4 - 2 - 4 - 4 - 2 - 30

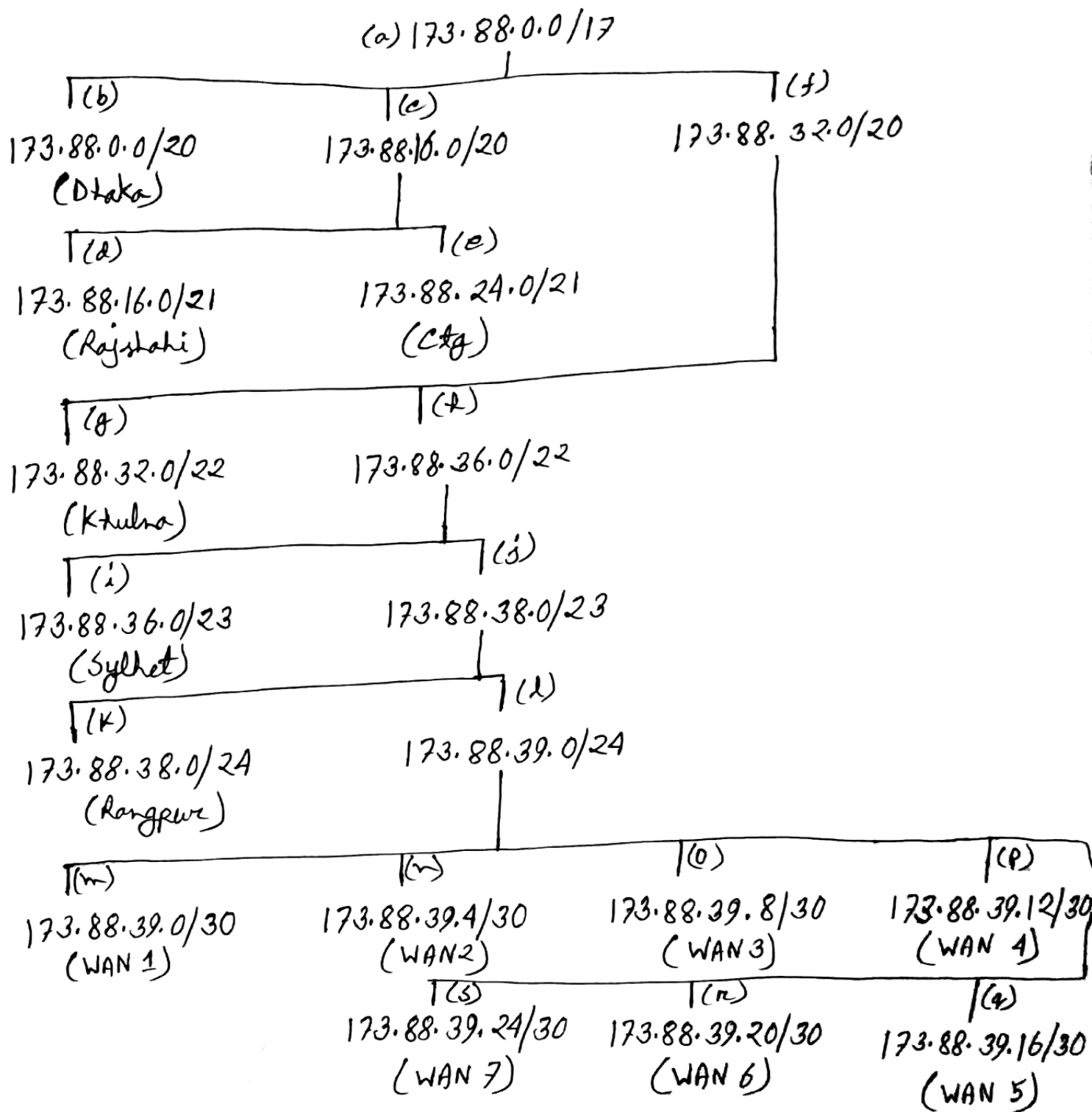
WAN 5 - 2 - 4 - 4 - 2 - 30

WAN 6 - 2 - 4 - 4 - 2 - 30

WAN 7 - 2 - 4 - 4 - 2 - 30

b- Dhaka
 d- Rajshahi
 e- Ctg
 g- Khulna
 i- Sylhet
 k- Rangpur
 m- WAN1
 n- WAN2
 o- WAN3
 p- WAN4
 q- WAN5
 r- WAN6
 s- WAN7





Rajshahi

```
Router(config)#interface Serial3/0
```

```
Router(config-if)#ip address 173.88.39.1 255.255.0.0
```

```
Router(config-if)#ip address 173.88.39.1 255.255.255.252
```

```
Router(config-if)#no shutdown
```

```
Router(config)#interface Serial2/0
```

```
Router(config-if)#ip address 173.88.39.5 255.255.255.252
```

```
Router(config-if)#ip address 173.88.39.5 255.255.255.252
```

```
Router(config-if)#no shutdown
```

```
Router(config)#interface FastEthernet0/0
```

```
Router(config-if)#shutdown
```

```
Router(config-if)#
```

```
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to administratively down
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to down
```

```
ip address 173.88.16.5 255.255.248.0
```

```
Router(config-if)#no shutdown
```

```
Router(config)#
```

```
Router(config)#ip route 173.88.32.0 255.255.252.0 173.88.39.2
```

```
Router(config)#ip route 173.88.38.0 255.255.255.0 173.88.39.6
```

```
Router(config)#ip route 173.88.0.0 255.255.240.0 173.88.39.6
```

```
Router(config)#ip route 173.88.36.0 255.255.254.0 173.88.39.6
```

```
Router(config)#ip route 173.88.24.0 255.255.248.0 173.88.39.6
```

```
Router(config)#ip route 0.0.0.0 0.0.0.0 173.88.39.6
```

Router(config)#

Khulna

Router(config)#interface Serial3/0

Router(config-if)#ip address 173.88.39.2 255.255.0.0

Router(config-if)#ip address 173.88.39.2 255.255.255.252

Router(config-if)#no shutdown

Router(config)#interface Serial2/0

Router(config-if)#ip address 173.88.39.9 255.255.255.252

Router(config-if)#ip address 173.88.39.9 255.255.255.252

Router(config-if)#no shutdown

Router(config)#interface FastEthernet0/0

Router(config-if)#shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to administratively down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to down

ip address 173.88.32.5 255.255.252.0

Router(config-if)#no shutdown

Router(config)#

Router(config)#ip route 173.88.16.0 255.255.248.0 173.88.39.1

Router(config)#ip route 173.88.38.0 255.255.255.0 173.88.39.10

```
Router(config)#ip route 173.88.0.0 255.255.240.0 173.88.39.10
Router(config)#ip route 173.88.36.0 255.255.254.0 173.88.39.10
Router(config)#ip route 173.88.24.0 255.255.248.0 173.88.39.10
Router(config)#ip route 0.0.0.0 0.0.0.0 173.88.39.10
Router(config)#
```

Rangpur

```
Router(config)#interface Serial2/0
Router(config-if)#ip address 173.88.39.6 255.255.0.0
Router(config-if)#ip address 173.88.39.6 255.255.255.252
Router(config-if)#no shutdown
```

```
Router(config)#interface Serial3/0
Router(config-if)#ip address 173.88.39.10 255.255.255.252
Router(config-if)#ip address 173.88.39.10 255.255.255.252
Router(config-if)#no shutdown
```

```
Router(config)#interface Serial6/0
Router(config-if)#ip address 173.88.39.14 255.255.255.252
Router(config-if)#ip address 173.88.39.14 255.255.255.252
Router(config-if)#no shutdown
```

```
Router(config)#interface FastEthernet1/0
Router(config-if)#ip address 173.88.39.26 255.255.255.252
Router(config-if)#ip address 173.88.39.26 255.255.255.252
Router(config-if)#no shutdown
```

```
Router(config)#interface FastEthernet0/0
```

```
Router(config-if)#ip address 173.88.38.5 255.255.255.252
Router(config-if)#ip address 173.88.38.5 255.255.255.0
Router(config-if)#no shutdown
```

```
Router(config)#
Router(config)#ip route 173.88.16.0 255.255.248.0 173.88.39.5
Router(config)#ip route 173.88.32.0 255.255.252.0 173.88.39.9
Router(config)#ip route 173.88.0.0 255.255.240.0 173.88.39.13
Router(config)#ip route 173.88.36.0 255.255.254.0 173.88.39.13
Router(config)#ip route 173.88.24.0 255.255.248.0 173.88.39.13
Router(config)#ip route 0.0.0.0 0.0.0.0 173.88.39.13
Router(config)#
```

Dhaka

```
Router(config)#interface Serial2/0
Router(config-if)#ip address 173.88.39.13 255.255.0.0
Router(config-if)#ip address 173.88.39.13 255.255.255.252
Router(config-if)#no shutdown
```

```
Router(config)#interface Serial3/0
Router(config-if)#ip address 173.88.39.17 255.255.255.252
Router(config-if)#ip address 173.88.39.17 255.255.255.252
Router(config-if)#no shutdown
```

```
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 173.88.0.1 255.255.255.252
Router(config-if)#ip address 173.88.0.1 255.255.240.0
```



```
Router(config-if)#no shutdown
```

```
Router(config)#ip route 173.88.38.0 255.255.255.0 173.88.39.14
```

```
Router(config)#ip route 173.88.32.0 255.255.252.0 173.88.39.14
```

```
Router(config)#ip route 173.88.16.0 255.255.248.0 173.88.39.14
```

```
Router(config)#ip route 173.88.36.0 255.255.254.0 173.88.39.18
```

```
Router(config)#ip route 173.88.24.0 255.255.248.0 173.88.39.18
```

```
Router(config)#
```

Sylhet

```
Router(config)#interface Serial2/0
```

```
Router(config-if)#ip address 173.88.39.18 255.255.0.0
```

```
Router(config-if)#ip address 173.88.39.18 255.255.255.252
```

```
Router(config-if)#no shutdown
```

```
Router(config)#interface Serial3/0
```

```
Router(config-if)#ip address 173.88.39.21 255.255.255.252
```

```
Router(config-if)#ip address 173.88.39.21 255.255.255.252
```

```
Router(config-if)#no shutdown
```

```
Router(config)#interface FastEthernet1/0
```

```
Router(config-if)#ip address 173.88.39.25 255.255.255.252
```

```
Router(config-if)#ip address 173.88.39.25 255.255.255.252
```

```
Router(config-if)#no shutdown
```

```
Router(config)#interface FastEthernet0/0
```

```
Router(config-if)#ip address 173.88.36.5 255.255.255.252
Router(config-if)#ip address 173.88.36.5 255.255.254.0
Router(config-if)#no shutdown
```

```
Router(config)#
Router(config)#ip route 173.88.0.0 255.255.255.0 173.88.39.17
Router(config)#ip route 173.88.38.0 255.255.254.0 173.88.39.17
Router(config)#ip route 173.88.16.0 255.255.248.0 173.88.39.17
Router(config)#ip route 173.88.32.0 255.255.252.0 173.88.39.17
Router(config)#ip route 173.88.24.0 255.255.248.0 173.88.39.22
Router(config)#ip route 0.0.0.0 0.0.0.0 173.88.39.17
Router(config)#
```

```
Router(config)#router rip
Router(config-router)#network 173.88.39.20
Router(config-router)#network 173.88.24.0
Router(config-router)#network 173.88.36.0
Router(config-router)#exit
```

CTG

```
Router(config)#interface Serial2/0
Router(config-if)#ip address 173.88.39.22 255.255.0.0
Router(config-if)#ip address 173.88.39.22 255.255.255.252
Router(config-if)#no shutdown
```

Router(config)#interface FastEthernet0/0

Router(config-if)#no ip address

Router(config-if)#shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to administratively down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to down

ip address 173.88.24.5 255.255.255.252

Router(config-if)#ip address 173.88.24.5 255.255.248.0

Router(config-if)#no shutdown

Router(config)#

Router(config)#ip route 173.88.36.0 255.255.254.0 173.88.39.21

Router(config)#ip route 173.88.0.0 255.255.240.0 173.88.39.21

Router(config)#ip route 173.88.38.0 255.255.255.0 173.88.39.21

Router(config)#ip route 173.88.16.0 255.255.248.0 173.88.39.21

Router(config)#ip route 173.88.32.0 255.255.252.0 173.88.39.21

Router(config)#ip route 0.0.0.0 0.0.0.0 173.88.39.21

Router(config)#

Router(config)#router rip

Router(config-router)#network 173.88.39.20

Router(config-router)#network 173.88.36.0

Router(config-router)#network 173.88.24.0

Router(config-router)#

Device	Interface	IP address	Subnet Mask	Default Gateway
Dhaka	f0/0	173.88.0.1/20	255.255.240.0	No
	se 2/0	173.88.39.13/30	255.255.255.252	
	se 3/0	173.88.39.17/30	255.255.255.252	
Rajshahi	f0/0	173.88.16.5/21	255.255.248.0	No
	se 2/0	173.88.39.5/30	255.255.255.252	
	se 3/0	173.88.39.1/30	255.255.255.252	
Ctg	f0/0	173.88.24.5/21	255.255.248.0	No
	se 2/0	173.88.39.22/30	255.255.255.252	
Khulna	f0/0	173.88.32.5/22	255.255.252.0	No
	se 2/0	173.88.39.9/30	255.255.255.252	
	se 3/0	173.88.39.2/30	255.255.255.252	
Sylhet	f0/0	173.88.36.5/23	255.255.254.0	No
	f1/0	173.88.39.25/30	255.255.255.252	
	se 2/0	173.88.39.18/30	255.255.255.252	
	se 3/0	173.88.39.21/30	255.255.255.252	
Rangpur	f0/0	173.88.38.5/24	255.255.255.0	No
	f1/0	173.88.39.26/30	255.255.255.252	
	se 2/0	173.88.39.6/30	255.255.255.252	
	se 3/0	173.88.39.10/30	255.255.255.252	
	se 6/0	173.88.39.14/30	255.255.255.252	

Device	Interface	IP address	Subnet Mask	Default Gateway
PC0	f0/0	173.88.16.1/21	255.255.248.0	173.88.16.5
PC1	f0/0	173.88.16.2/21	255.255.248.0	173.88.16.5
PC2	f0/0	173.88.32.1/22	255.255.252.0	173.88.32.5
PC3	f0/0	173.88.32.2/21	255.255.248.0	173.88.32.5
PC4	f0/0	173.88.38.1/24	255.255.255.0	173.88.38.5
PC5	f0/0	173.88.38.2/24	255.255.255.0	173.88.38.5
PC6	f0/0	173.88.0.6/20	255.255.240.0	173.88.0.1
PC7	f0/0	173.88.0.5/20	255.255.240.0	173.88.0.1
Amara Ictha	f0/0	173.88.0.3/20	255.255.240.0	173.88.0.1
PC8	f0/0	173.88.36.2/23	255.255.254.0	173.88.36.5
PC9	f0/0	173.88.36.3/23	255.255.254.0	173.88.36.5
Amra Sylheti com	f0/0	173.88.36.1/23	255.255.254.0	173.88.36.5
PC10	f0/0	173.88.24.1/21	255.255.248.0	173.88.24.5
PC11	f0/0	173.88.24.2/21	255.255.248.0	173.88.24.5