

Computer Networks - Assignment 10

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Task 1

1: Source MAC addresses

Point	3	4	5
Address	68-01-BC-58-AF-24	72-9E-4A-31-9C-42	72-9E-4A-31-9C-42

2: Destination MAC addresses

Point	3	4	5
Address	49-FA-B0-3C-E2-7C	D5-A0-EE-9A-73-D5	D5-A0-EE-9A-73-D5

3: Source IP addresses

Point	3	4	5
Address	128.119.50.107	128.119.50.107	128.119.50.107

The Source IP addresses in 4 and 5 depend on the fact if the router forwards the datagram or not, which would depend on if the net going in the link at 3 would be treated as a subnet of the router while the net going into the link at 4 as WAN. This would actually be the case in my home since I use one of the interfaces of my router as a connection to my Deutsche Glasfaser modem. Since in the image there is another cable connected to the router I conclude that this is not the case and nothing is being forwarded at this level.

4: Destination IP addresses

Point	3	4	5
Address	128.119.240.116	128.119.240.116	128.119.240.116

