

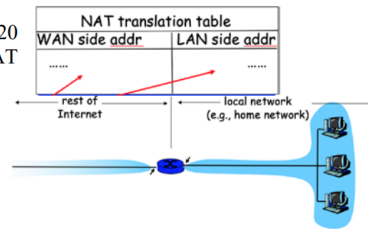
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Question: 2. Consider the given network setup, suppose that the ISP ass...

2. Consider the given network setup, suppose that the ISP assigns the router the address 12.14.102.215 and that the network address of the home network is 172.16. 0.0/16. [10]
- Assign addresses to all interfaces in the home network. (3)
 - Suppose each host has six ongoing TCP connections, all to port 20 at host 118.109.20.96. Provide all corresponding entries in the NAT translation table. (7)



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Explanation

Please refer to solution in this step.

Answer

a) Home addresses: 192.168.1.1, 192.168.1.2, 192.168.1.3 by the router interface of 192.168.1.4

b) NAT Translation Table

WAN surface	LAN surface
24.34.112.235, 4000	192.168.1.1, 3345
24.34.112.235, 4001	192.168.1.1, 3346
24.34.112.235, 4002	192.168.1.2, 3445
24.34.112.235, 4003	192.168.1.2, 3446
24.34.112.235, 4004	192.168.1.3, 3545
24.34.112.235, 4005	192.168.1.3, 3546

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Provide the six corresponding entries in the NAT...

A: [See answer](#)

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