CSE421 Assignment 04 [MSMA | 2024 Fall]

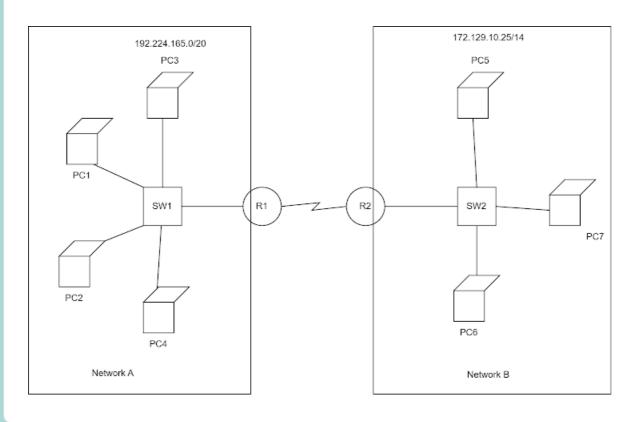
Total points

92.5/100



Answer all the questions in this form. PDF submission is mandatory for this assignment. You can submit only once even if you submit by mistake. So, make sure that your answers are put correctly by refreshing the page. Deadline: December 15, 2024 (Sunday) 11:59:59pm

Answer Q1 to Q7 based on the following scenario. IP address of PC3 and PC5 are given in the diagram.



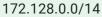
Q1. Calculate the subnet mask of Network B. (Format: 255.255.255.0) * 5/5

255.252.0.0



✓ Q2. Calculate the network address of Network B. (Format: 10.10.10.10/24)

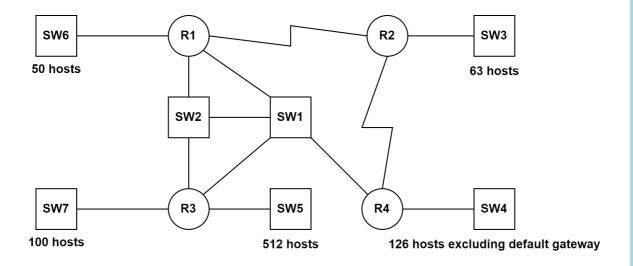
*****5/5







Given the IP address is 10.15.137.0/17, Answer rest of the questions based on the following topology.



X Q9. Calculate the maximum number of network addresses that you will
★.../5
get if you use FLSM given that the maximum requirement is based on
the given topology.

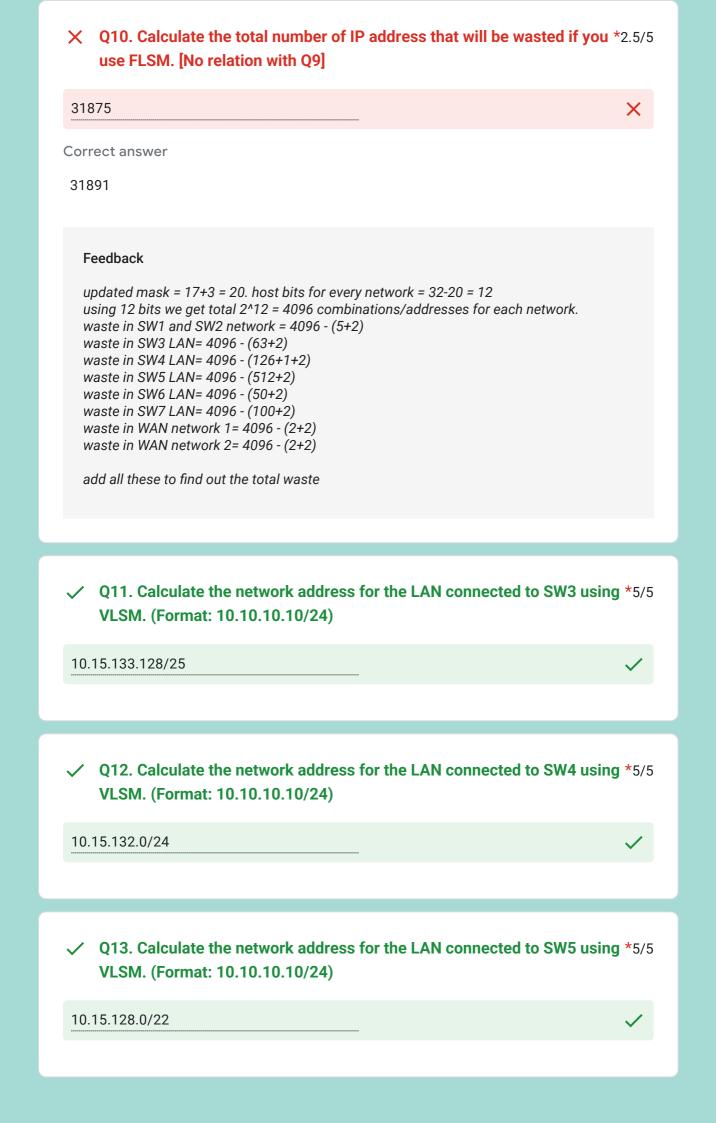
4094 ×

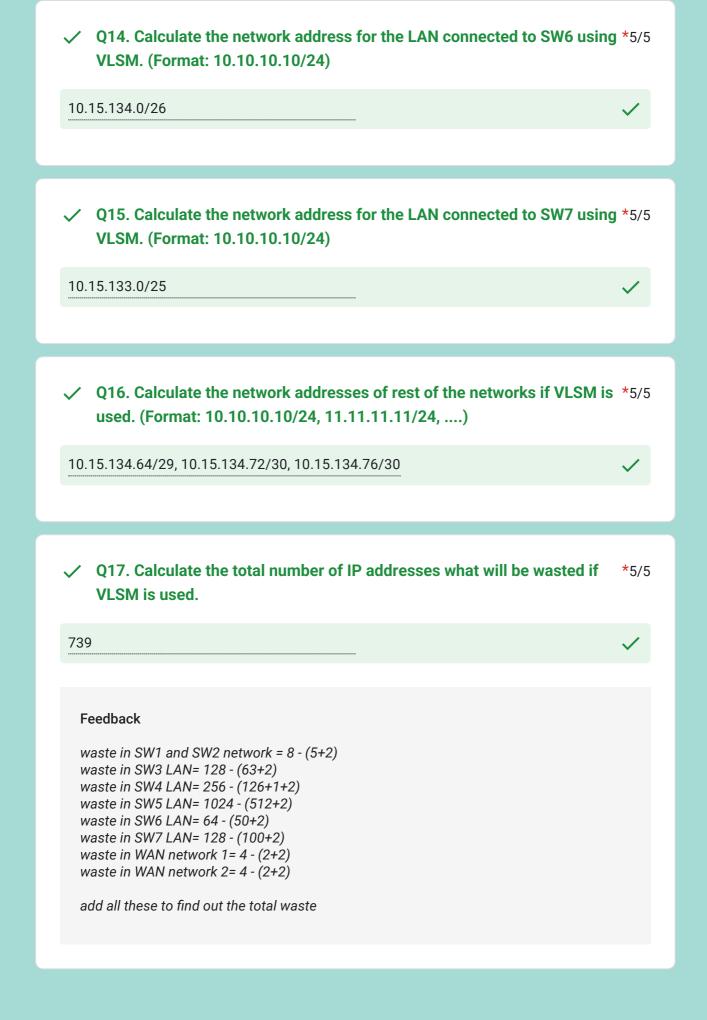
Correct answer

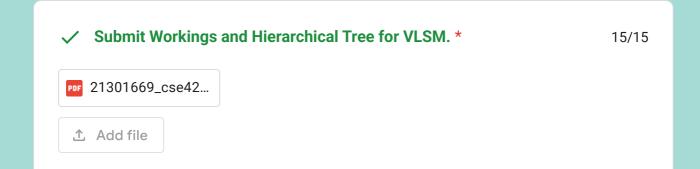
32

Feedback

Highest requirement 512, total address needed 514 so host bit needed 10. Since FLSM will have all networks with same mask, we can't make any network having less than 10 host bits. so, number of new network bits that can be borrowed from host bits 15-10=5. maximum networks = $2^5 = 32$







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