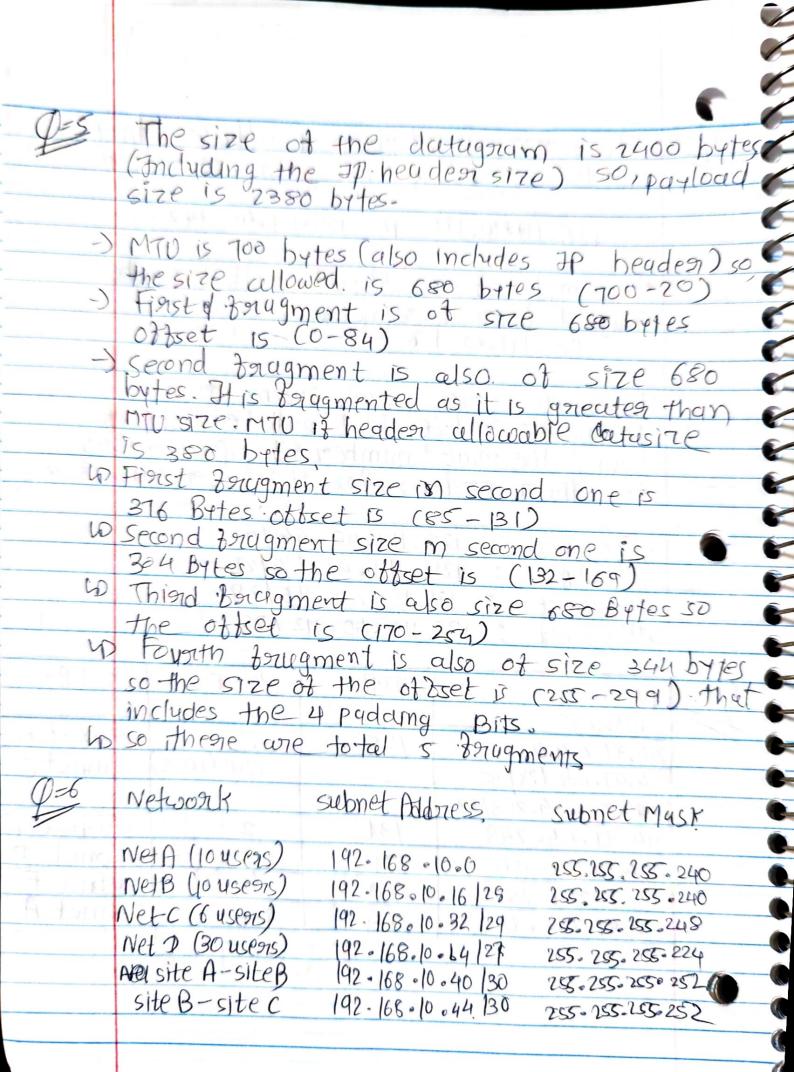
1-3 The stange of eligible of addresses that can be assigned to the given metwoodk is 128.119.40.128 to 128.119.40.192 An example of one if address that can be assigned forom this net coook is 128-119-40-156 To concerte tour subsets your po 128,119-40-64/26 block with each block having the same number of IP addresses then their pretixes for the zong subsets are JSt subject : 128.119.40.64/28 2nd subject : 128.119.40.80/28 3nd subject : 128.119.40.96/28 4th subject : 128.119.40.112/28 CIPR Network. Used B7 HOST Aldgress 214.97.254.0 128 S4bnet B 120=(128-8) subjet 214.97.254.128/25 214.97.259.248/29 214097.2540 248 subnet E 21409702540250 subnet D 2140 97.254.252 subnet F 214-97.255.0 subnet A 256 124



172.1.4.0/25 172-1-4-128/25 172.1.5.0/24 172-1-6-0124 172-1-7-0/24 to To determine the symmany norte on norter Rz, determine the number of highest-order clettmost) bits theet match in all the addresses To obtain the symmany groute, I tollowed these steps. of step 1 convert the addresses to bingery format 172-1. 00000 100.00000000 1720104-0 /25 172-1. 00000/00.10000000 172-1-4.128/25 172-1. 00000/01.0000000 172.1.5.0/24 172-1.6.0/24 172-1- 00000110-0000000 172-1.7-0124 172-10 00000111.00000000 D Step 2: Locate the bit where the common puttern of digits ends.
We see that the, 6th bit starting brown the lettmost bit of the lett byte (which is 1) is syme in all 5 Hs. 6 STEP 33 The symmany noute number will be the block, tollowed by a slush, tollowed by the number of common bits.

co counting the number of common bits, we got 22.
First IP is 172-1-4-0
The symmetry route will be 177-1-4-0 122