

NAME: Mubillah Setiawan
Roll Num: 231-0047
SECTION: CS-F

Private: 200.112.119.198

Public: 9.212.45.169/22

Network	Hosts	CIDR
E	49203 - /16	
A	29112 - /17	
F	23543 - /17	
B	17961 - /17	
G	7578	
L	7088 - /19	
M	6941 - /19	
C	4954 - /19	
D	1671 - /21	
J	465 - /23	
I	415 - /23	
N	174 - /24	
H	43 - /26	
E1-E2	4 - /29	
E3-E14	2 - /30	
R1-R30	2 - /30	

Calculations

Total hosts: 142376

Router-Router: 60

Unmasked: 4930x 22

Total: 142458

Host bits: $\log_2(142458)$

18 bits

Network bits: 32-18

14 bits

