220,33.0.0 16 220, 33.0.0 AND 255.255.0.0 226,33.00 220.33 128.0 AND 1111111, 1111111, 1220 0000.0000 226, 33. 128,0 760 22.33.148.0122 9) 220.33.6.0/16 Matcles 226.33.150,2 220.33, 128, 0/19 Matries 220, 33, 150, 7 220.33.148.0/22 Modues 220.33.150.2 Jongers prefix motch is 220.33,148,0/22 50 festination ip is 220,33,140,2 b) 220.33.0,0/16 modeles 220,33.156.2 220.33.128.0/19 Motores 220.33, 156. 2 220, 33, 148, 0122 poes Normatch 220, 33, 156. 2 -220,33.148 AND 255.255.11111100.6 148 = 10010100 11111100 € 100101XX 156= 10011 Doesn't match Longest Metix Match: 226, 33,128,0/19 Next Destandan: 220, 33, 128, 1

220,33,128,0 AND 255,288,2220,000.0

128= 1000 0000

11100000 - BAMASK

100, 4 404+

164=1017

Posn't notch

i. hun't match 220.33.148.0 either

he cause, 148 is more specific than, 12 8

220.83.128.0/19 Poes NOT Match 220.33.164.3

choose longest Pretix Match: 220.33.0.0116 Next nestination: 220,33.0.1

220.77. 170.4

220, 33.0.0 AND 255,255.0.0

220.33. X. 4

has to start with 33

220.77. 70.4 Does NOT

Therefore it goes to default route."

0.6.0.010

Next Pestination: 220.33.2.2

Supercet: 199,77, 32.0 # Class (block = 232-19 = 213-18 = 25 = 32 blocks 1019,77,55.2 AND. 255.258, 2124,0 55 = 0.611 0111 1110 0006 001xxxxx 232 50, 199,77.32.0 32 - 8 = 24 netid 24-19= 5 bit positions 2 = 32 blocks 180.170,80.70 AND 255,255,224.0 6) 80 = 010/0000 1220 0000 € 020x xxxx = 64 Subnet Address: 180,176,64.0 191125 | Prected Broodcast for met net Jutid [Kostid Pall 25 14 hot 5 1802 180, 170,64,0 AND 255,252,224.0 640 = 010 00000 ** * 4 1 1 1 1 1 TEN) 016 17 1112 180.170.95.255

Individual host Range: +2 from summer gardness -I from treated producest address 3 180,170.64.1 - 180.170.98,2543= Range of It address for individual hosts 3, pl: 75 hosts Oxxx xxxx 27-2=126> 25 Address: 200.55.66.0125 D1: 125host 1xxxxxxxx 27-2 = 126 > 125 - 12 Address: 200.55.66.128/25 P3: 42 bsts 11 xx x x x x x t 26-2=62>42 Address: 200 a 55.66,192/26