Twos Complement (25 Complement). 28- Binary. Defrescutatui 000111000 $0x2^{7}0x2^{6}0x2^{5}1x2^{4}1x2^{3}.1x2^{2}$ 16+8+4=28For two is complement invert bite and add 1 28 -> 000 11100. Inverteg bit -> 111 000 1 1.

11 1 000 1 1.

27: 26 25 1421 Adding 1. -> 11100100 2 +1=3 La Tours Complement This can also be performed by adding \$1 nay 1 to the inverted bits. Binary 81: 000 00001. Adding to me sted !!! 00011 D15. 11100100 -> 215 Complet

Expanding Ochree Moder.

& 7002020.

17 bils. (7 Revels).

. Expandy this black mode one more

× 70020200

Revel.

& 700 2020 /.

2 700 20202

8 700 20 20 3.

2700 20204

& 700 20205

\$ 700 20206.

2 700 20207.

8 children of

27002020 black node.

You will have to expand all ochee black nodes in the problems to & levels to. perform the singly translation.

Intersection checking: (Common black nodies
in both trees)
Traverse the tree from top doesn (digit from
left to Right) and Compare Rad digit
unto in the tree.