

Date:

127

• Base Address: 142.150.235.0 /27

• Subnet Mask: 255.255.255.224

• Broadcast Address: 142.150.235.31

• Reserved Router Address: 142.150.235.1

1) Address of subnetwork,

→ Converting to CIDR Notation,
it becomes

⇒ The extended network prefix
is /27, CIDR Notation,
AND

Address of subnetwork is
142.150.235.0

Date:

27 Total of 29

As, $32 - 2 - 1 = 29$,

27 Network Address

17 Broadcast Address

27 Reserved Router Address

So, From

142.150.235.2 / 27

142.150.235.30 / 27

37 So, First it was 256-224

32

Now dividing 32 into 4

equal parts

means 8 ~~1000~~

$248 = 256 - 8$ / 30

Date:

1) 142.150.235.0/30 } ① ⑤
142.150.235.7/30 }

2) 142.150.235.8/30 } ② ⑥
142.150.235.15/30 }

3) 142.150.235.16/30 } ③ ⑥
142.150.235.23/30 }

4) 142.150.235.24/30 } ④ ⑥
142.150.235.31/30 }

→ 6 IP Address will be assigned in each subnetwork.