Vježba 4: Subnetiranje pomoću VLSM tehnike

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IZVOĐENJE VJEŽBE

1.

2.https://vlsmcalc.vercel.app/
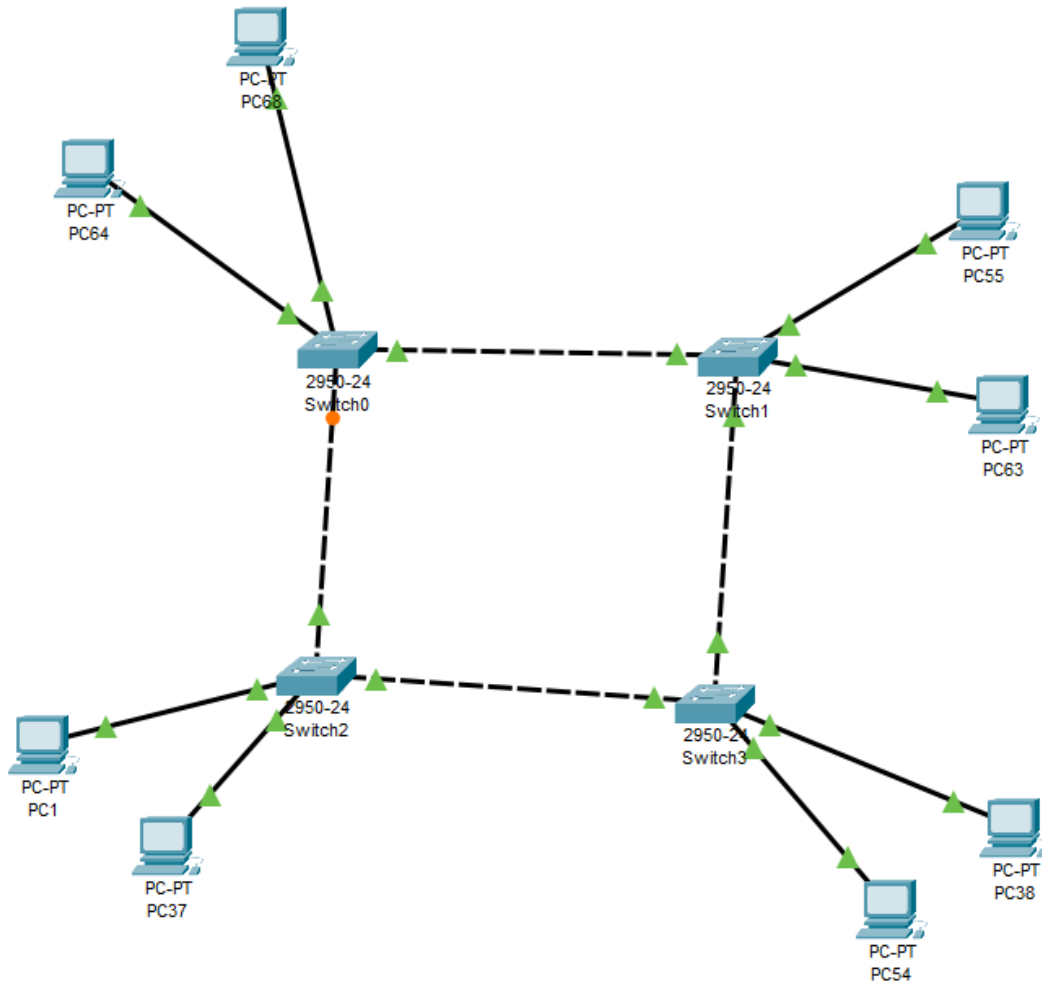
Generate

The network 192.168.100.0/24 has 254 hosts.
Your subnets need 68 hosts.

NAME	HOSTS NEEDED	HOSTS AVAILABLE	UNUSED HOSTS	NETWORK ADDRESS	SLASH	MASK	USABLE RANGE	BROADCAST
1	37	62	25	192.168.100.0	/26	255.255.255.192	192.168.100.1 - 192.168.100.62	192.168.100.63
2	17	30	13	192.168.100.64	/27	255.255.255.224	192.168.100.65 - 192.168.100.94	192.168.100.95
3	9	14	5	192.168.100.96	/28	255.255.255.240	192.168.100.97 - 192.168.100.110	192.168.100.111
4	5	6	1	192.168.100.112	/29	255.255.255.248	192.168.100.113 - 192.168.100.118	192.168.100.119

```
Adresni blok 192.168.100.0/24

          broj računala                          bitovi u hostu

Lab. rač.          37                             2*(6) -2 = 62
Lab. el.           17                             2*(5) -2 = 30
Kabinet            9                              2*(4) -2 = 14
Uprava             5                              2*(3) -2 = 6

Lab. rač.

adresa mreže 192.168.100.0/26
PC1 192.168.100.1
PC37 192.168.100.37
Broadcast 192.168.100.63
maska 255.255.255.192

Lab. el.

adresa mreže 192.168.100.64/27
PC38 192.168.100.65
PC54 192.168.100.82
Broadcast 192.168.100.95
mask 255.255.255.224

Kabinet

adresa mreže 192.168.100.96
PC55 192.168.100.97
PC63 192.168.100.106
Broadcast 192.168.100.111
maska 255.255.255.240

Uprava
|
adresa mreže 192.168.100.112
PC64 192.168.100.113
PC68 192.168.100.118
Broadcast 192.168.100.119
maska 255.255.255.248
```

PC1 — □ ✕

Physical   Config   Desktop   Programming   Attributes

Command Prompt   X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.100.37

Pinging 192.168.100.37 with 32 bytes of data:

Reply from 192.168.100.37: bytes=32 time<1ms TTL=128
Reply from 192.168.100.37: bytes=32 time<1ms TTL=128
Reply from 192.168.100.37: bytes=32 time<1ms TTL=128
Reply from 192.168.100.37: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.100.37:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.100.37

Pinging 192.168.100.37 with 32 bytes of data:

Reply from 192.168.100.37: bytes=32 time<1ms TTL=128
Reply from 192.168.100.37: bytes=32 time<1ms TTL=128
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Reply from 192.168.100.37: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.100.37:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.100.118

Pinging 192.168.100.118 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.
```

☐ Top