My network information is:

```
Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix : worldlink.com.np
IPv6 Address : : 2400:1a00:ble0:313e::2
IPv6 Address : : 2400:1a00:ble0:313e:f89c:cdbf:f82c:ff6d
Temporary IPv6 Address : : 2400:1a00:ble0:313e:4539:8bfe:d8e5:a19
Link-local IPv6 Address : : fe80::elb5:6762:db47:972d%10
IPv4 Address : : : 192.168.1.74
Subnet Mask : : : 255.255.20
Default Gateway : : : fe80::1%10
192.168.1.254
```

My IP address: 192.168.1.74

My Subnet Mask: 255.255.255.0 meaning 24 bits are masked so only 8 bits are accessible.

Network Address:

→ In order to identify the Network Address we perform bitwise AND operation between IP address and Subnet mask.

IP address: 192 . 168 . 1 .74

11000000.10101000.00000001.01001010

Subnet mask: 255 . 255 . 0

11111111.11111111.11111111.00000000

Bitwise AND operation:

Network Address: 11000000.10101000.00000001.00000000

192 .168 .1 .0

Broadcast Address:

 \rightarrow No. of host = 2^{32-24} - 2

= 254 → Meaning my network can support 254 hosts.

→ So the range of IP address allotted to the host are = (192.168.1.0) to (192.168.1.255) → In IPv4, the broadcast address is typically the highest address in a subnet.

Therefore Broadcast Address is: 192.168.1.255