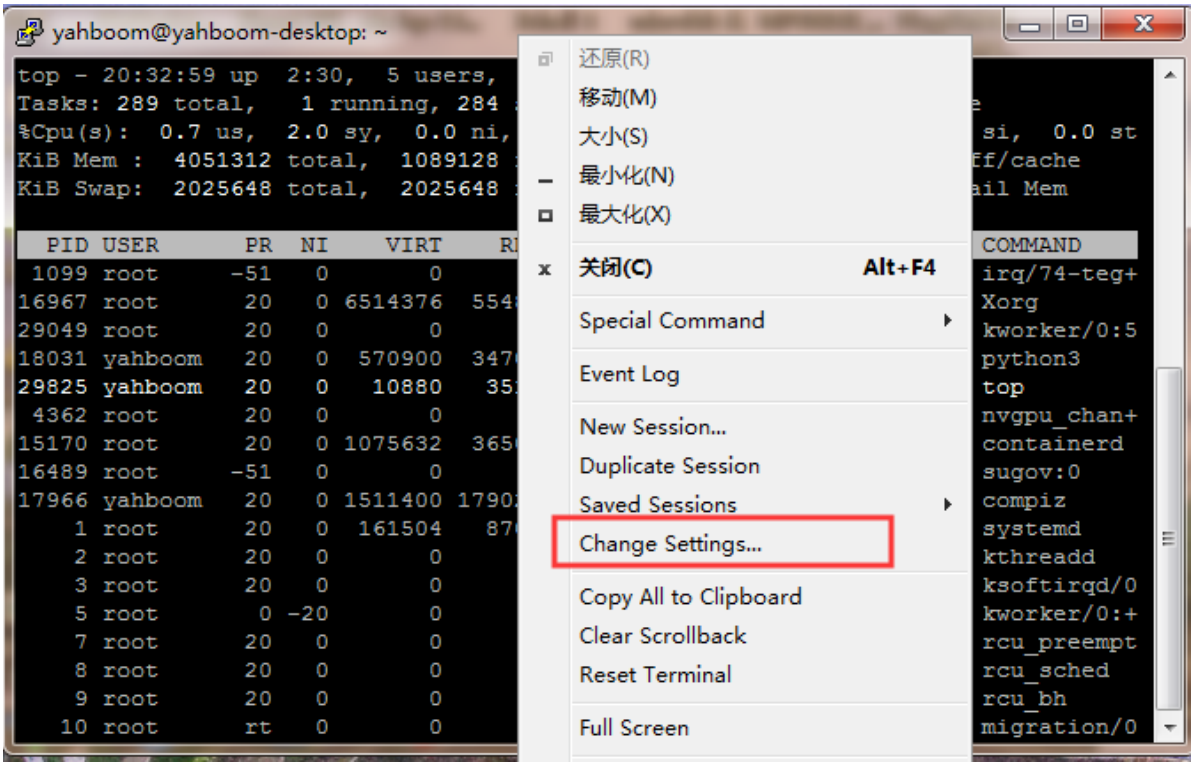
Network configuration

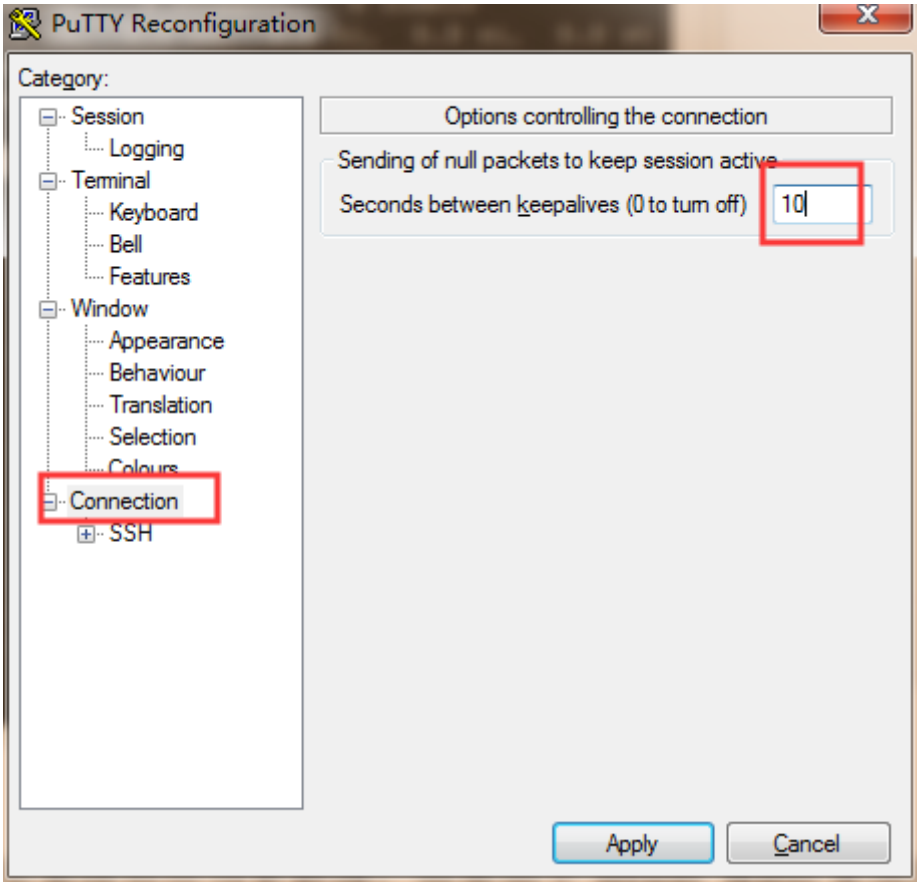
1、Remote login.

Choose tools such as PuTTY, SSH, and Xshell to remotely log in according to your preferences. The following is an example of the PuTTY tool. Note: If you find that the computer cannot be remotely accessed, you can try ping each other and view the IP address command on : ifconfig.

View local IP address cmd command under Windows: ipconfig. After knowing the other party's IP address, ping 192.168.1.xx will modify the IP address based on the actual command.

If you find that putty often drops automatically, you can try the following methods:





A.Enter putty and select Connection on the left side

B.Send empty packets on the right to maintain session activity

Set it to 10

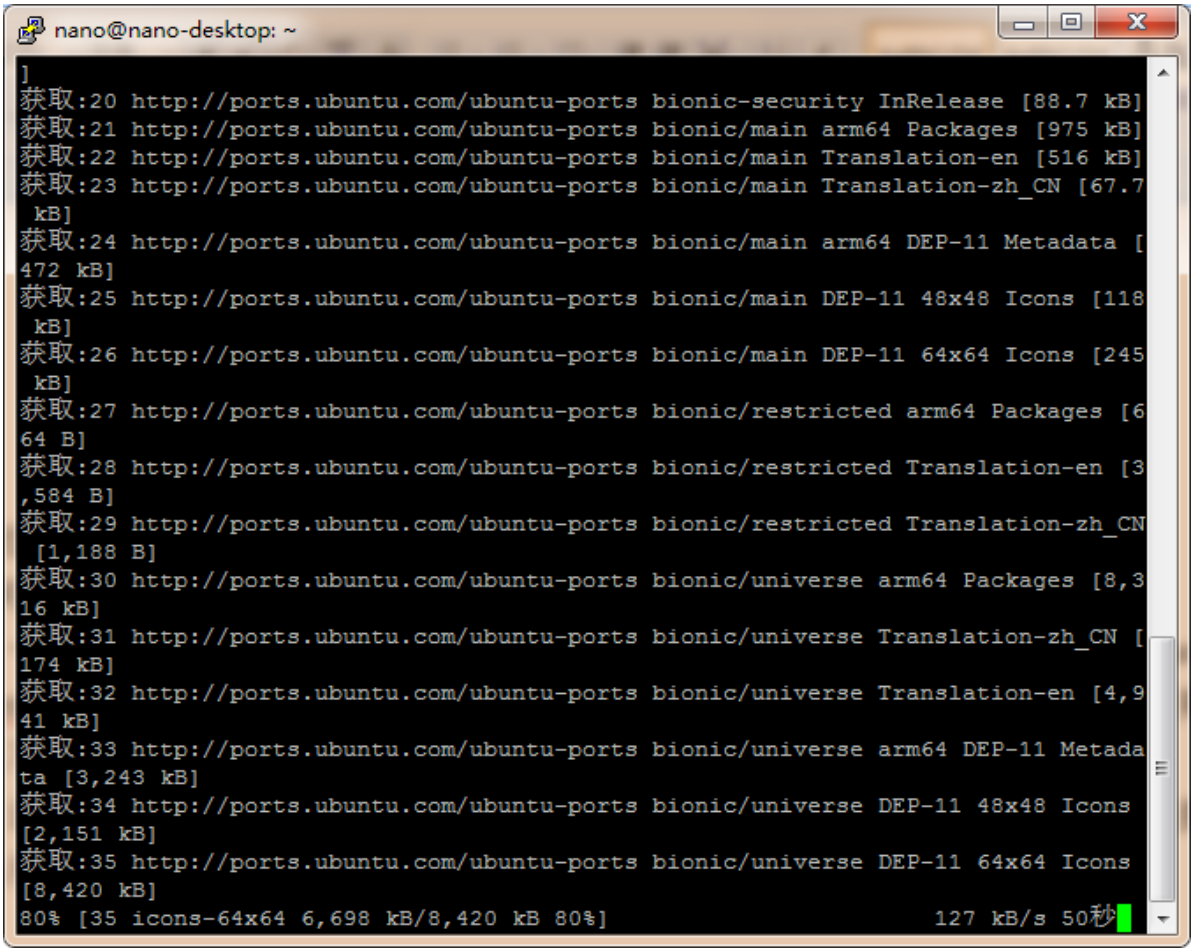
meaning to send an empty packet every ten seconds to maintain connectivity

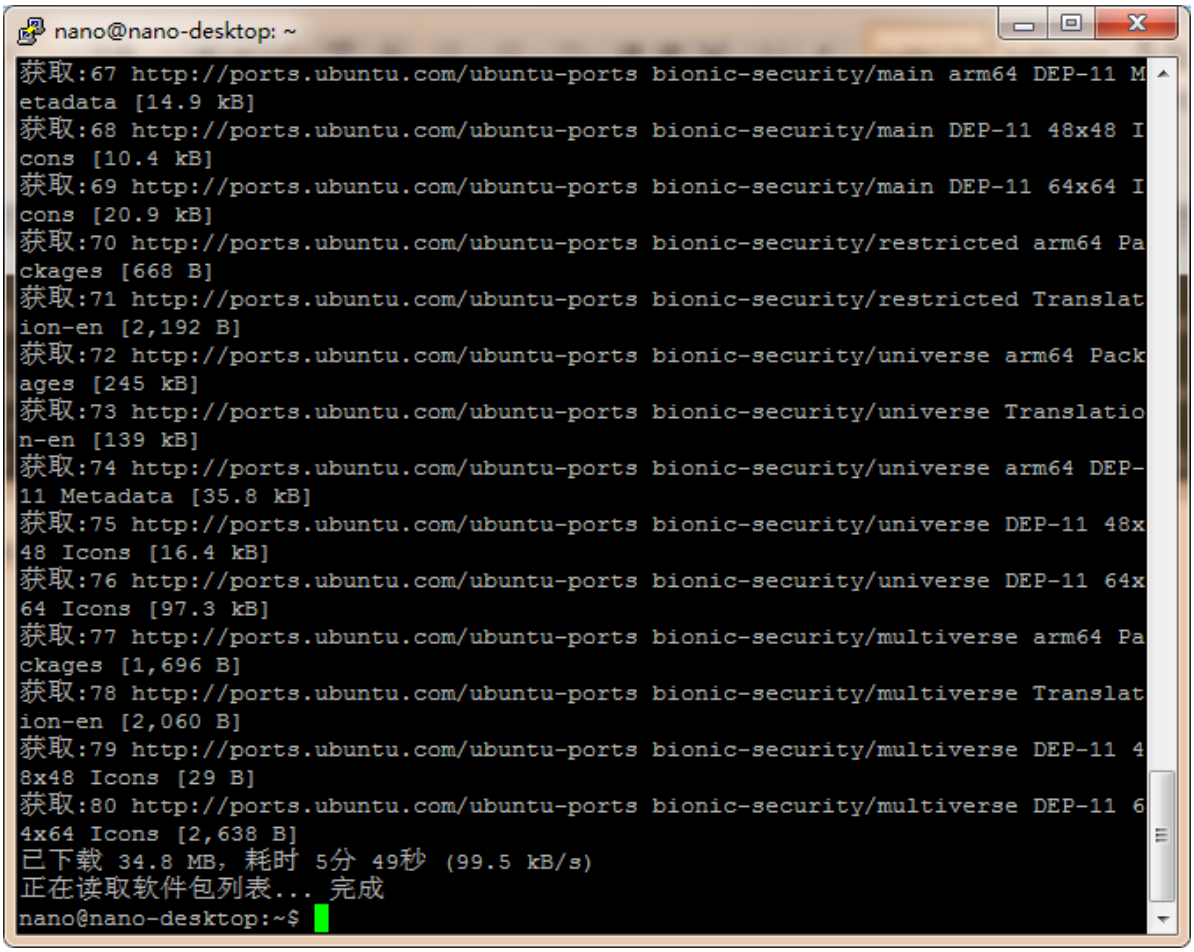
2、About Updating Sources

Generally speaking, after installing the system, the source should be updated. However, since the Jetson Orin nano uses the aarch64 architecture Ubuntu 20.04.2 LTS system, which is different from the AMD architecture Ubuntu system, and I have not found a perfect domestic source, I do not recommend that you switch sources.

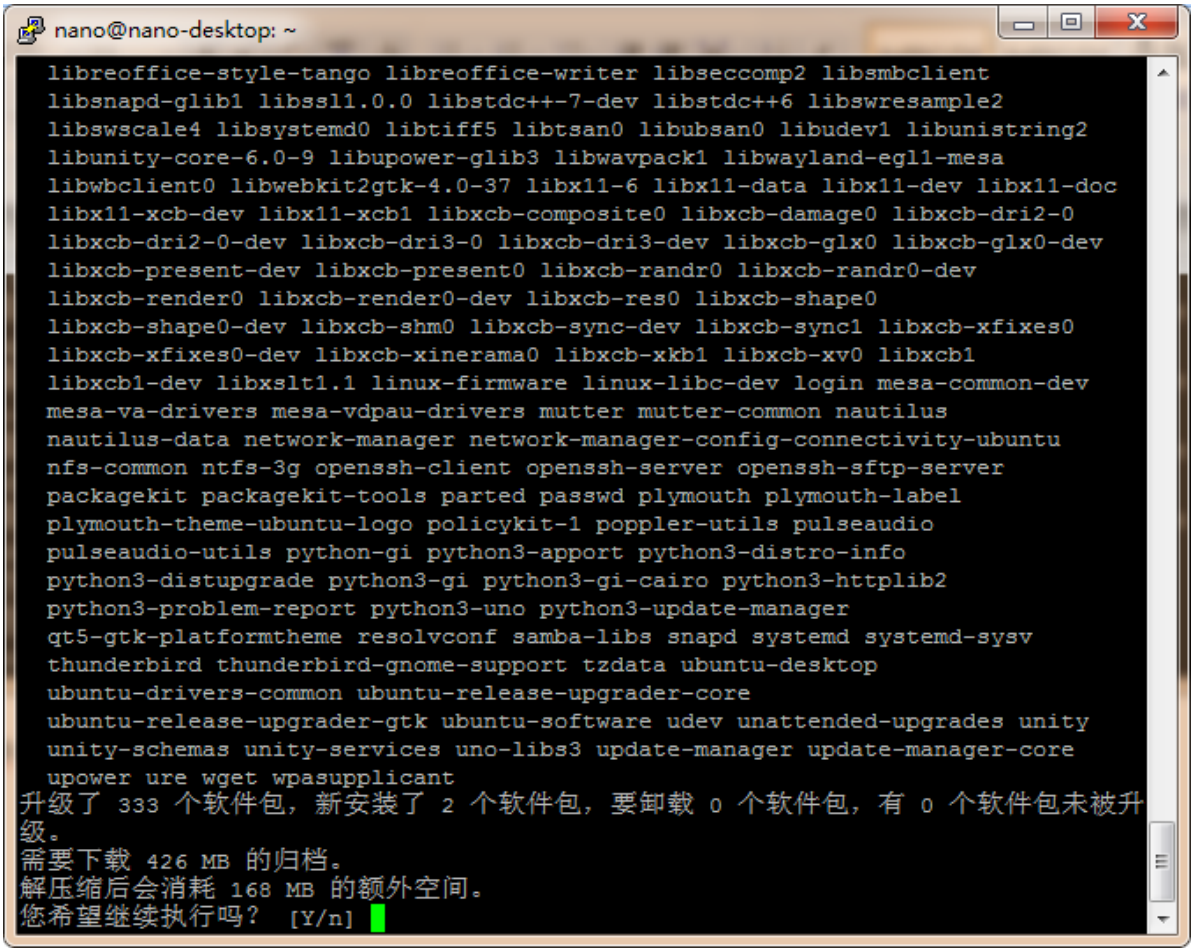
There is no source change here, so it is still updated using the default source of Jetson Orin nano. The update process is very long, everyone can execute the command and do other things. The following two actions are recommended to be carried out before starting an AI project, otherwise installing some libraries may result in missing installation addresses and frequent errors in the future.

sudo apt-get update

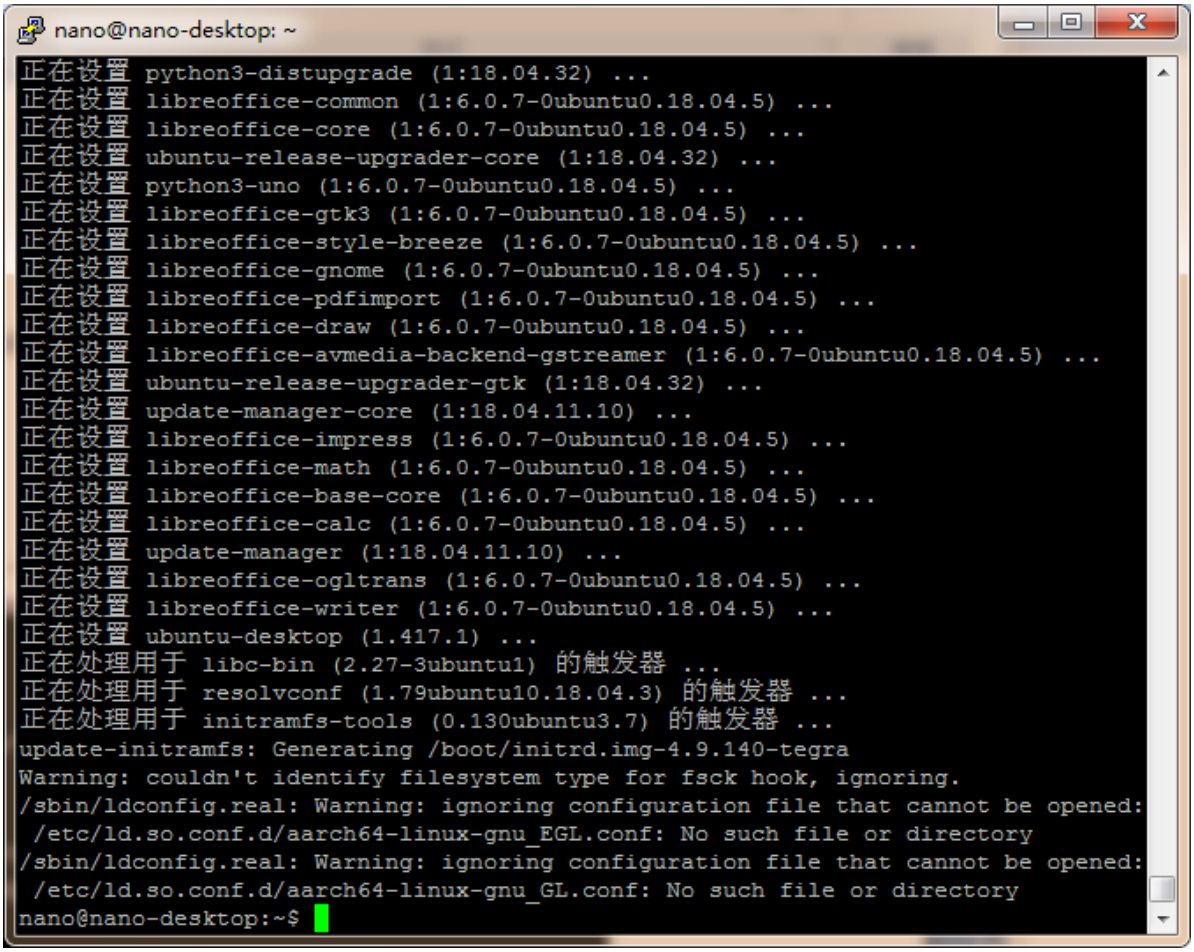




sudo apt-get full-upgrade

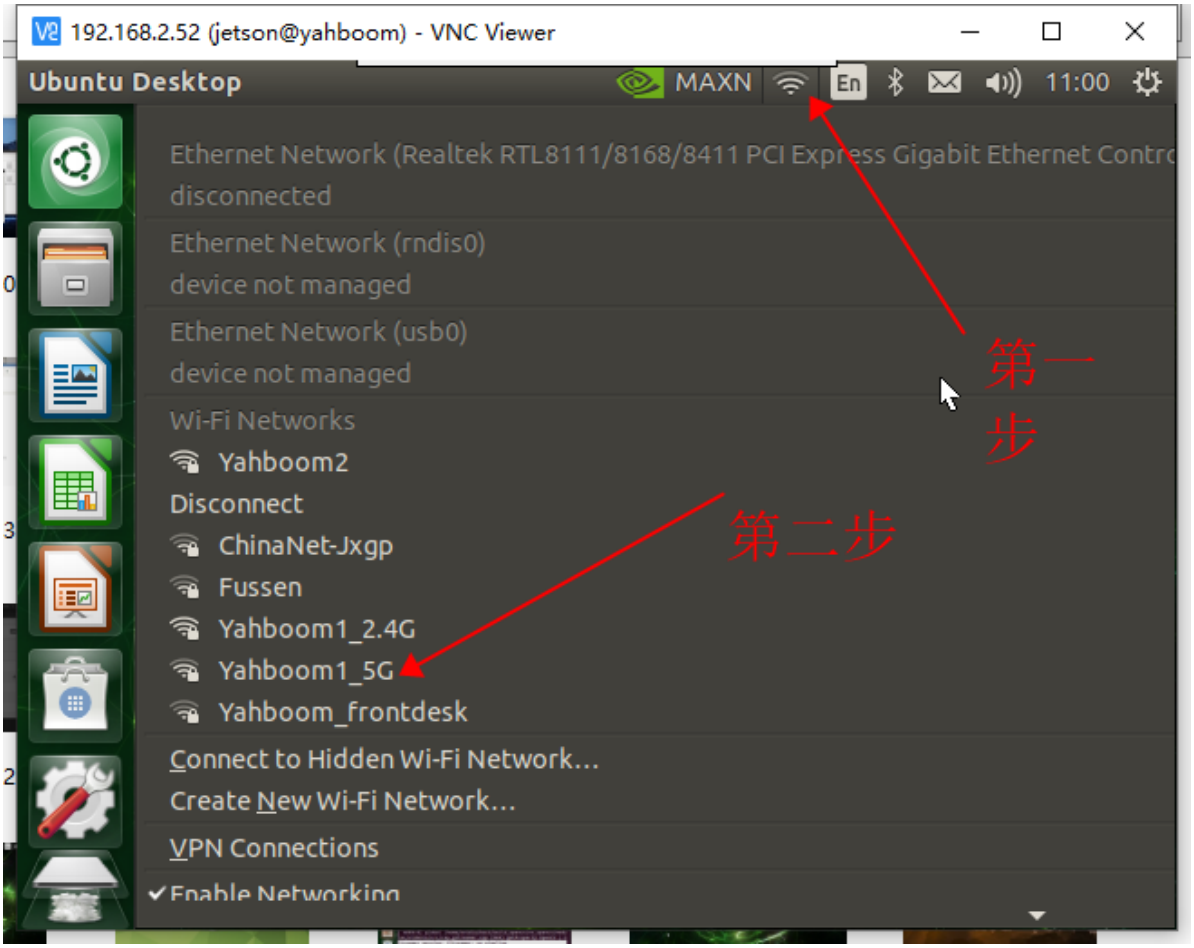


Enter Y during the process to confirm the update. The second process may take about 2 hours depending on the network situation. Please be patient and wait. After completion, as shown in the following figure.



The network configuration is now complete

3.Jetson Orin nano connect wifi



The first step is to click on the network symbol above. The second step is to select the network we need to connect to, and enter the password. I have already connected to the network of yahboom2

Obtain the IP address of the motherboard (when connected to the network)

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ifconfig
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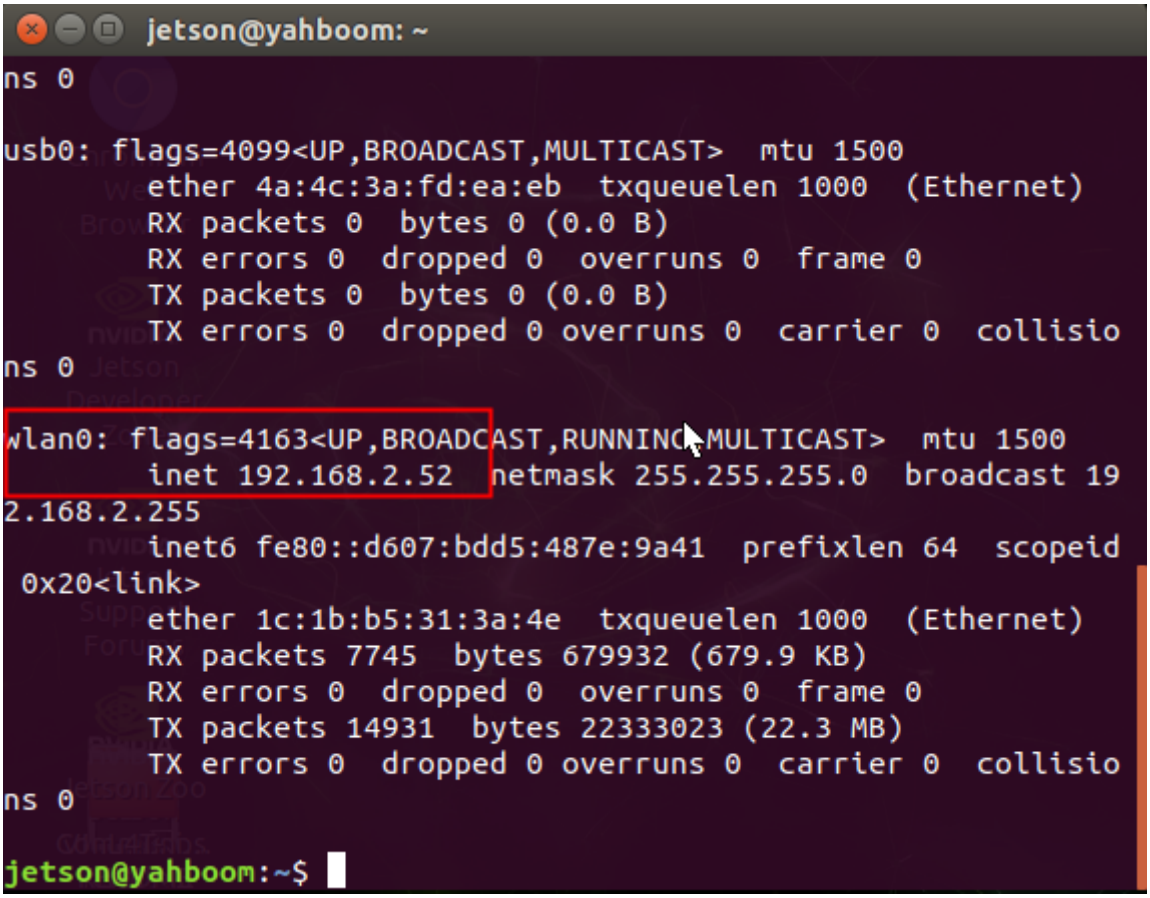

Because I am using WiFi, looking at the IP address in the wlan0 line, I can see that my IP address here is 192.168.2.52.

4.Jetson Orin nano Connection Network Cable

If we want to know the IP address without a display screen, we can use the method of directly plugging in the network cable, and then the computer and a router will also be connected to the network. Download an IP scanning software to perform IP scanning, which is Advanced IP Scanner.

scan ip