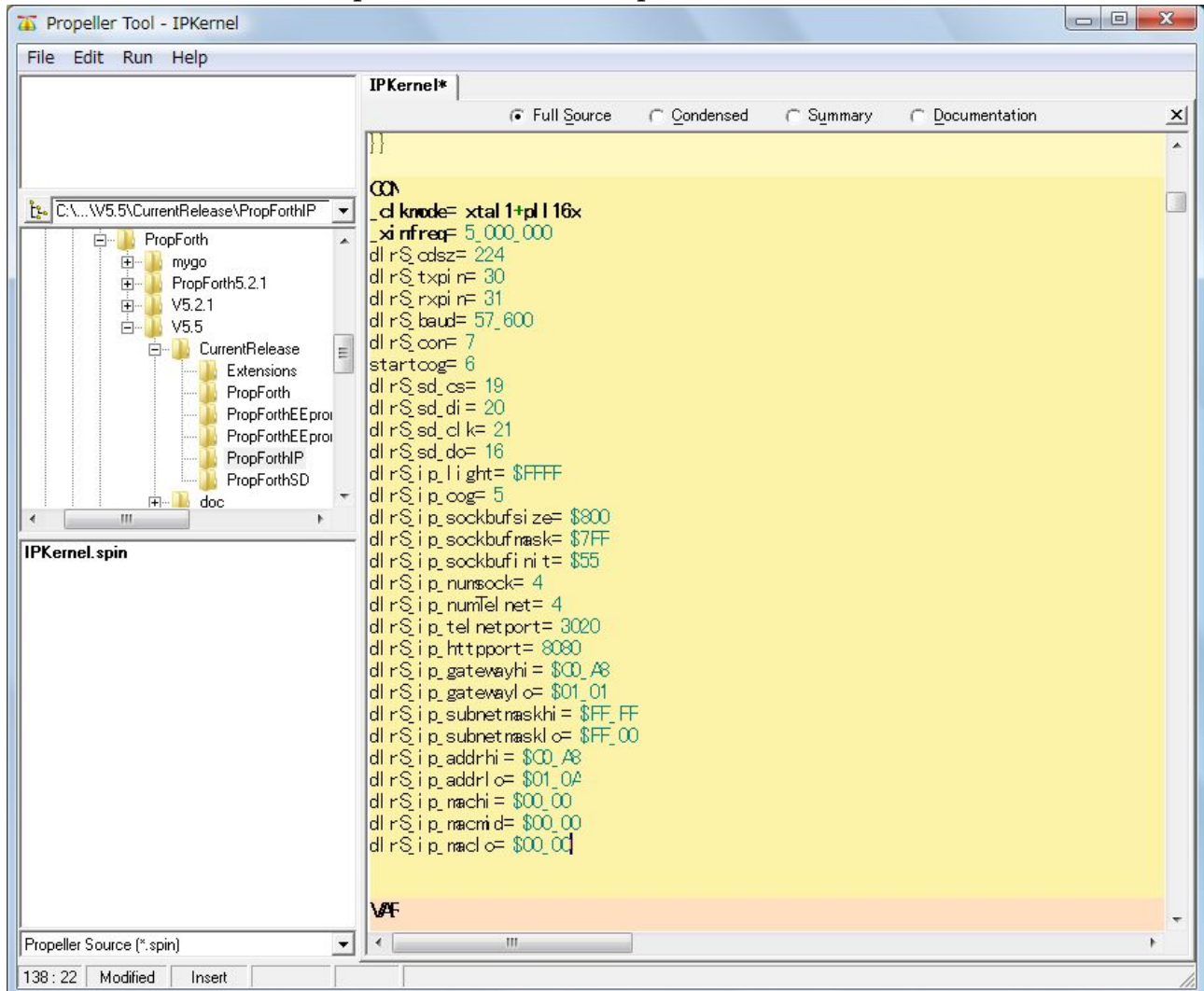


PropForthIP

20131026

Writing spin-code below to eeprom;

V5.5/CurrentRelease/PropForthIP/IPKernel.spin



Modify below:

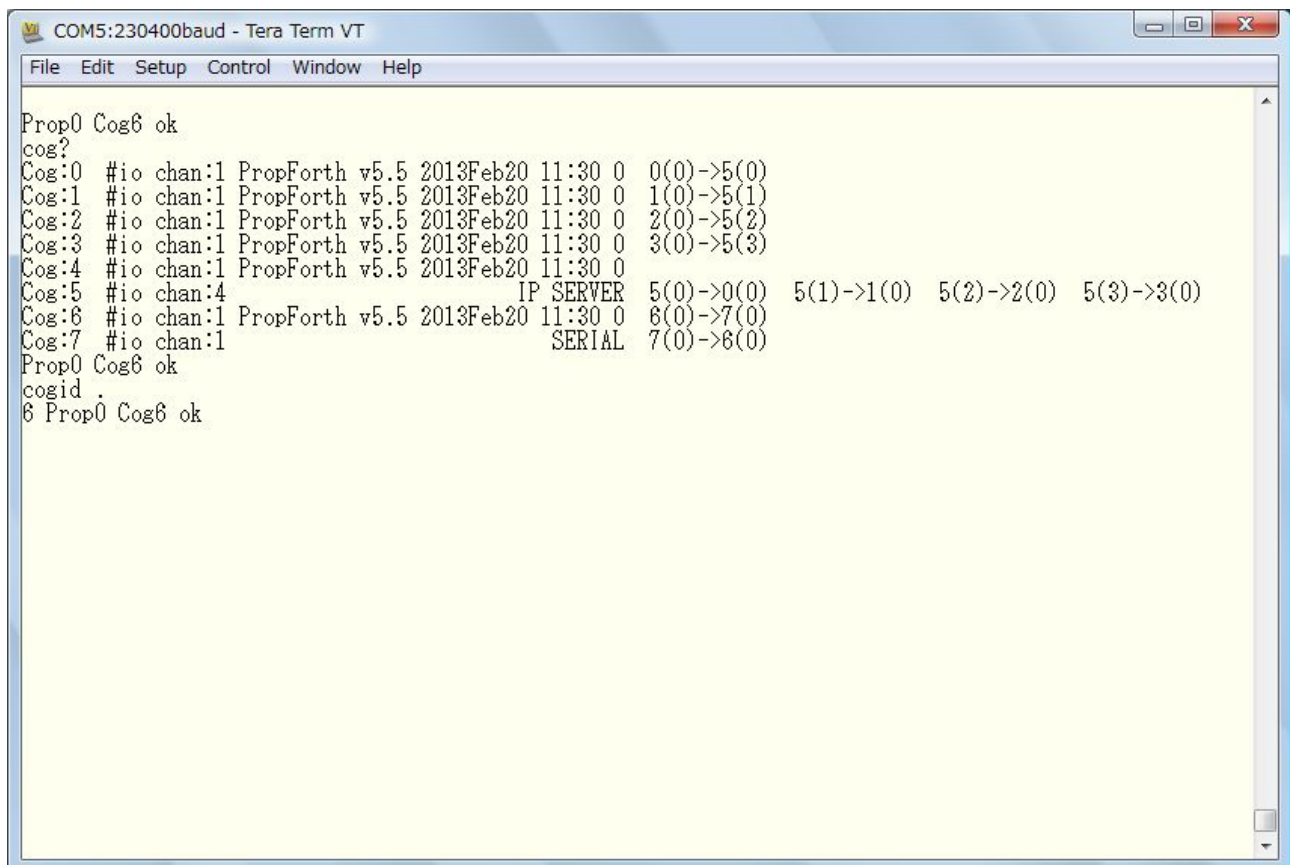
```
dlrS_ip_gatewayhi= $C0_A8 <--- Gateway Address
dlrS_ip_gatewaylo= $01_01 <--- Gateway Address
dlrS_ip_subnetmaskhi= $FF_FF <--- Subnet mask
dlrS_ip_subnetmasklo= $FF_00 <--- Subnet mask
dlrS_ip_addrhi= $C0_A8 <--- IP Address
dlrS_ip_addrlo= $01_0A <--- IP Address
dlrS_ip_machi= $00_00 <--- MAC Address
dlrS_ip_macmid= $00_00 <--- MAC Address
dlrS_ip_maclo= $00_00 <--- MAC Address
```

MAC Address is on bottom of spinneret board.

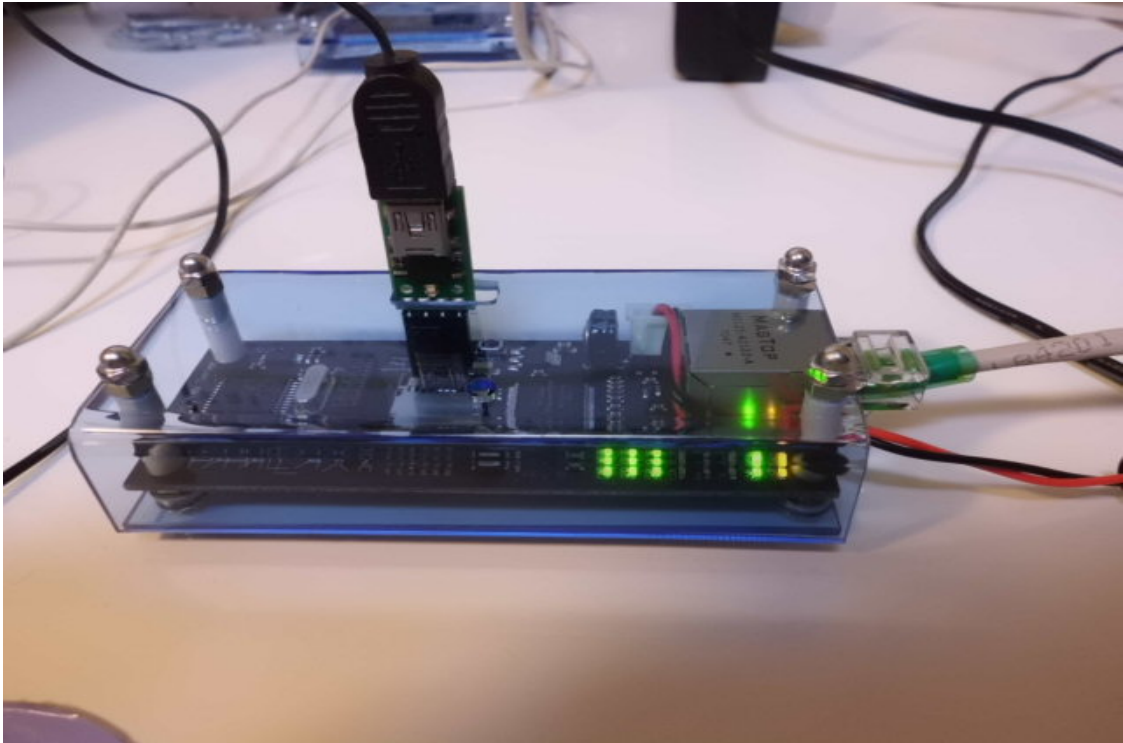
sd-port don't need to modify because IPKernel don't use SD-card.

serial console after rebooting;

```
CON:Prop0 Cog0 RESET - last status: 0 ok
CON:Prop0 Cog1 RESET - last status: 0 ok
CON:Prop0 Cog2 RESET - last status: 0 ok
CON:Prop0 Cog3 RESET - last status: 0 ok
CON:Prop0 Cog4 RESET - last status: 0 ok
CON:Prop0 Cog5 RESET - last status: 0 ok
CON:Prop0 Cog0 RESET - last status: 0 ok
CON:Prop0 Cog1 RESET - last status: 0 ok
CON:Prop0 Cog2 RESET - last status: 0 ok
CON:Prop0 Cog3 RESET - last status: 0 ok
CON:Prop0 Cog6 RESET - last status: 0 ok
Prop0 Cog6 RESET - last status: 0 ok
Prop0 Cog6 ok
```

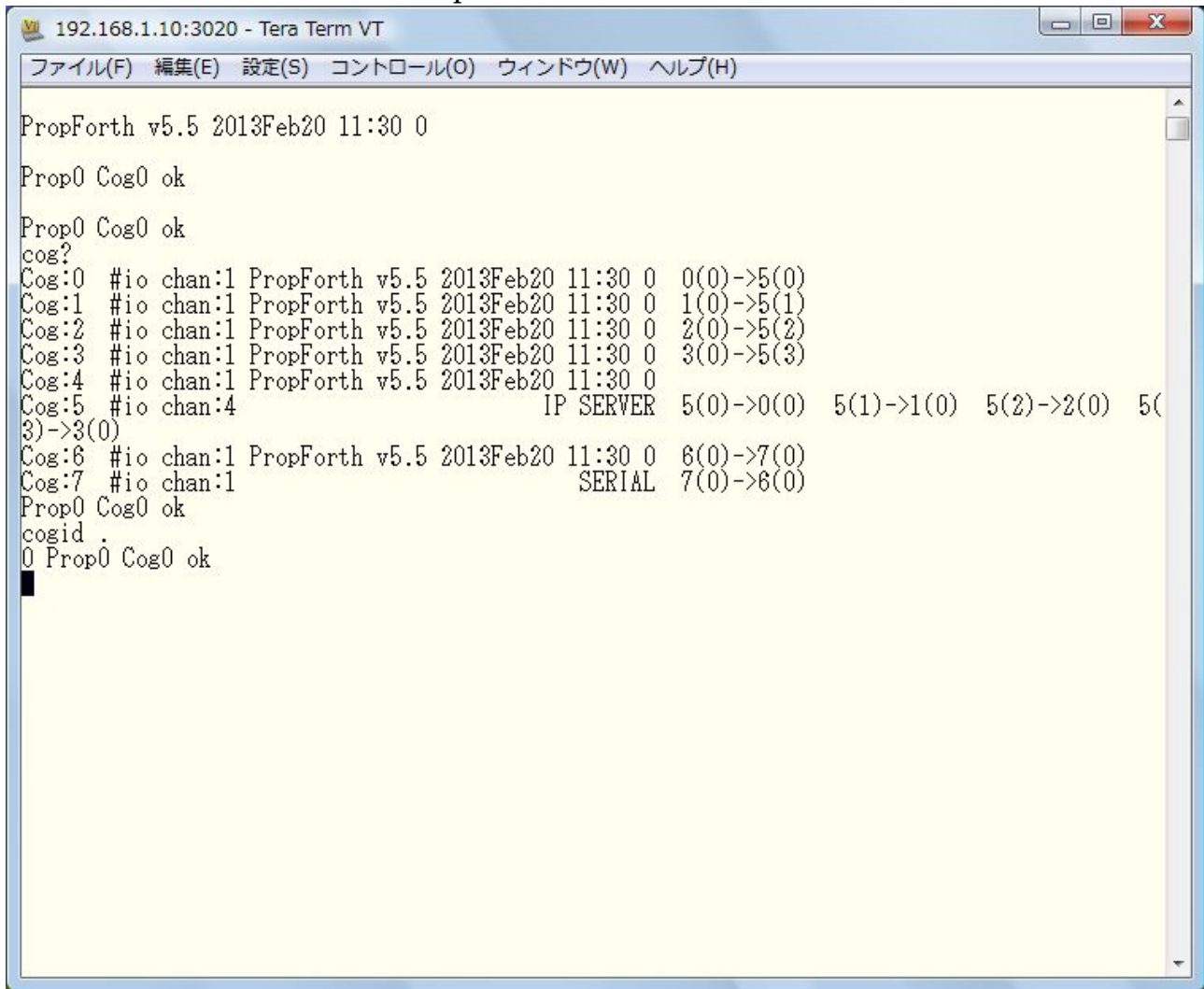


And then spinneret connect to PC by cross-cable.
(If you don't have cross-cable, you can connect by straight-cable through HUB.)



LED(USR) is blinking.
LED(LNK) is on. Sometimes off.
LEDSPD,FDX,PWR) is on.

Another Tera-Term start;
TCP:192.168.1.10 service:telnet port:3020

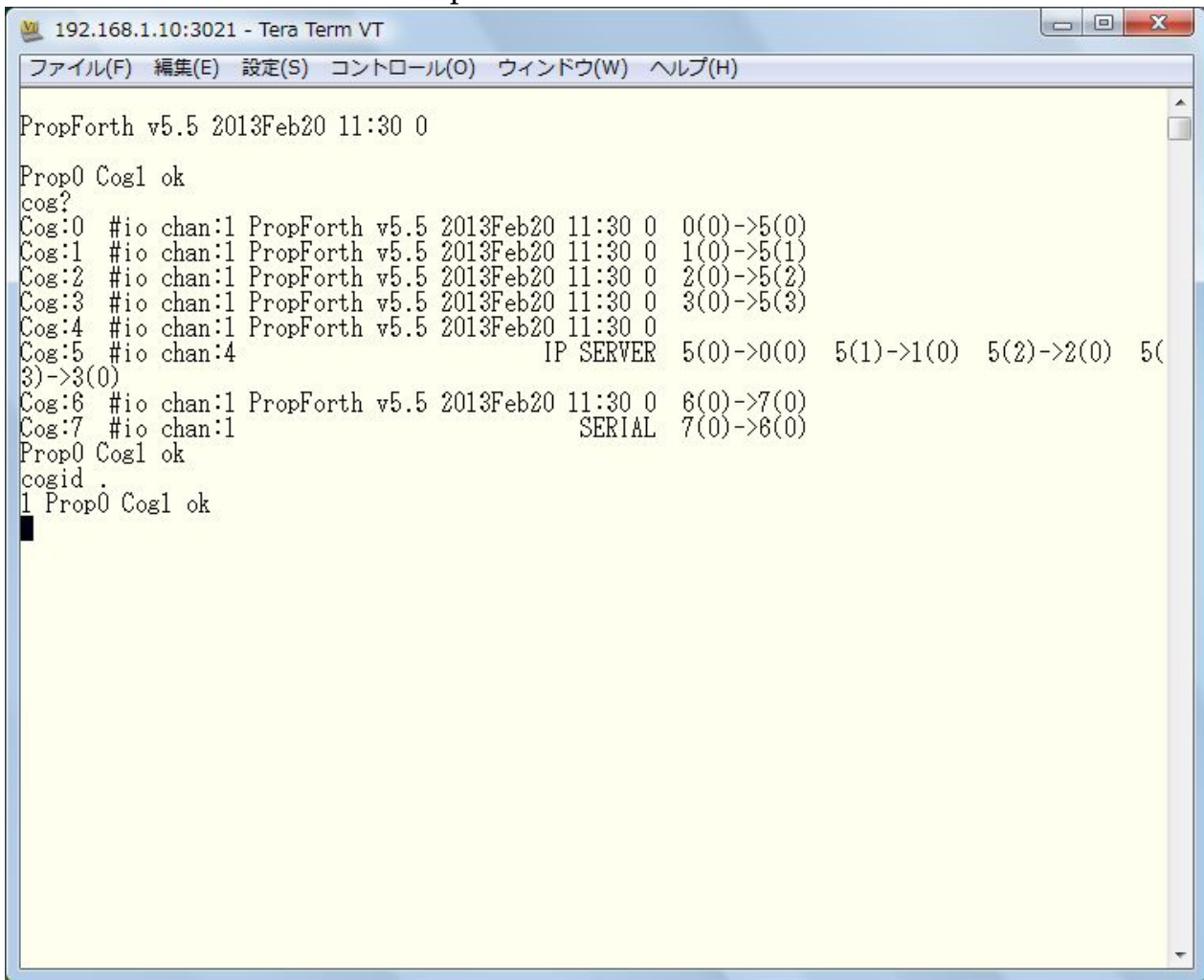


```
192.168.1.10:3020 - Tera Term VT
ファイル(F) 編集(E) 設定(S) コントロール(O) ウィンドウ(W) ヘルプ(H)

PropForth v5.5 2013Feb20 11:30 0
Prop0 Cog0 ok
Prop0 Cog0 ok
cog?
Cog:0 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 0(0)->5(0)
Cog:1 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 1(0)->5(1)
Cog:2 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 2(0)->5(2)
Cog:3 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 3(0)->5(3)
Cog:4 #io chan:1 PropForth v5.5 2013Feb20 11:30 0
Cog:5 #io chan:4 IP SERVER 5(0)->0(0) 5(1)->1(0) 5(2)->2(0) 5(
3)->3(0)
Cog:6 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 6(0)->7(0)
Cog:7 #io chan:1 SERIAL 7(0)->6(0)
Prop0 Cog0 ok
cogid .
0 Prop0 Cog0 ok
█
```

It's cog0.

Another Tera-Term start;
TCP:192.168.1.10 service:telnet port:3021



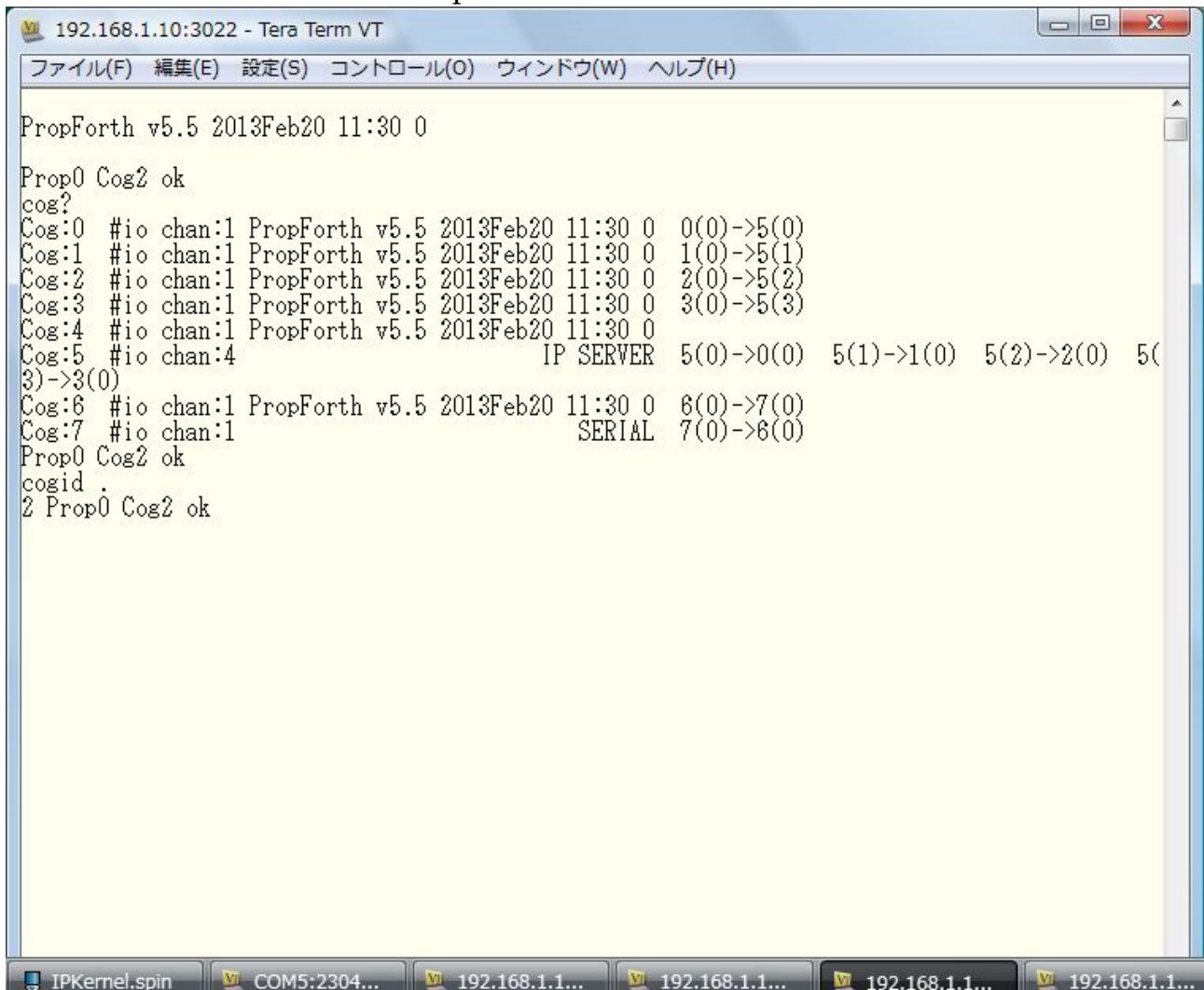
```
192.168.1.10:3021 - Tera Term VT
ファイル(F) 編集(E) 設定(S) コントロール(O) ウィンドウ(W) ヘルプ(H)

PropForth v5.5 2013Feb20 11:30 0

Prop0 Cog1 ok
cog?
Cog:0 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 0(0)->5(0)
Cog:1 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 1(0)->5(1)
Cog:2 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 2(0)->5(2)
Cog:3 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 3(0)->5(3)
Cog:4 #io chan:1 PropForth v5.5 2013Feb20 11:30 0
Cog:5 #io chan:4 IP SERVER 5(0)->0(0) 5(1)->1(0) 5(2)->2(0) 5(
3)->3(0)
Cog:6 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 6(0)->7(0)
Cog:7 #io chan:1 SERIAL 7(0)->6(0)
Prop0 Cog1 ok
cogid .
1 Prop0 Cog1 ok
```

It's cog1.

Another Tera-Term start;
TCP:192.168.1.10 service:telnet port:3022

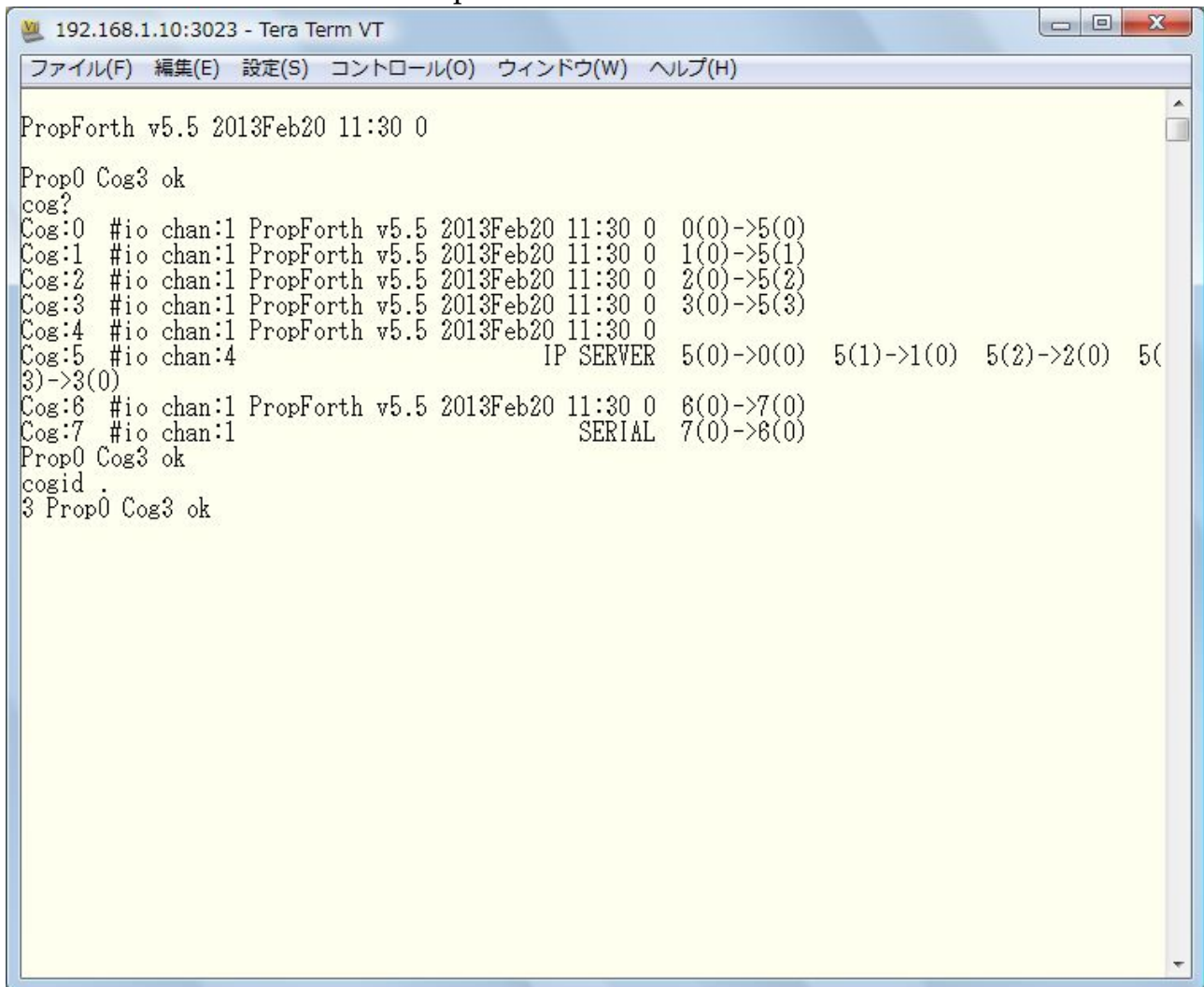


The screenshot shows a Tera Term window titled "192.168.1.10:3022 - Tera Term VT". The menu bar includes "ファイル(F)", "編集(E)", "設定(S)", "コントロール(O)", "ウィンドウ(W)", and "ヘルプ(H)". The main text area displays the following output from PropForth v5.5:

```
PropForth v5.5 2013Feb20 11:30 0
Prop0 Cog2 ok
cog?
Cog:0 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 0(0)->5(0)
Cog:1 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 1(0)->5(1)
Cog:2 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 2(0)->5(2)
Cog:3 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 3(0)->5(3)
Cog:4 #io chan:1 PropForth v5.5 2013Feb20 11:30 0
Cog:5 #io chan:4 IP SERVER 5(0)->0(0) 5(1)->1(0) 5(2)->2(0) 5(
3)->3(0)
Cog:6 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 6(0)->7(0)
Cog:7 #io chan:1 SERIAL 7(0)->6(0)
Prop0 Cog2 ok
cogid .
2 Prop0 Cog2 ok
```

It's cog2.

Another Tera-Term start;
TCP:192.168.1.10 service:telnet port:3023



```
192.168.1.10:3023 - Tera Term VT
ファイル(F) 編集(E) 設定(S) コントロール(O) ウィンドウ(W) ヘルプ(H)
PropForth v5.5 2013Feb20 11:30 0
Prop0 Cog3 ok
cog?
Cog:0 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 0(0)->5(0)
Cog:1 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 1(0)->5(1)
Cog:2 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 2(0)->5(2)
Cog:3 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 3(0)->5(3)
Cog:4 #io chan:1 PropForth v5.5 2013Feb20 11:30 0
Cog:5 #io chan:4 IP SERVER 5(0)->0(0) 5(1)->1(0) 5(2)->2(0) 5(
3)->3(0)
Cog:6 #io chan:1 PropForth v5.5 2013Feb20 11:30 0 6(0)->7(0)
Cog:7 #io chan:1 SERIAL 7(0)->6(0)
Prop0 Cog3 ok
cogid .
3 Prop0 Cog3 ok
```

It's cog3.

But IPKernel merely try to connect communication by telnet.
Because it cannot reset cog0/cog1/cog2/cog3/cog5.

I think this is only hardware-check.

