

電腦輔助電路設計

作業

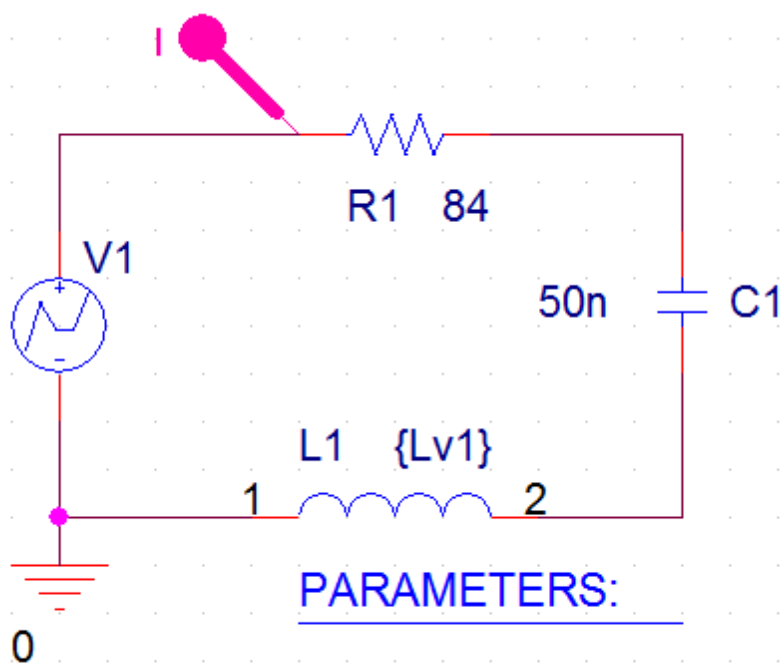
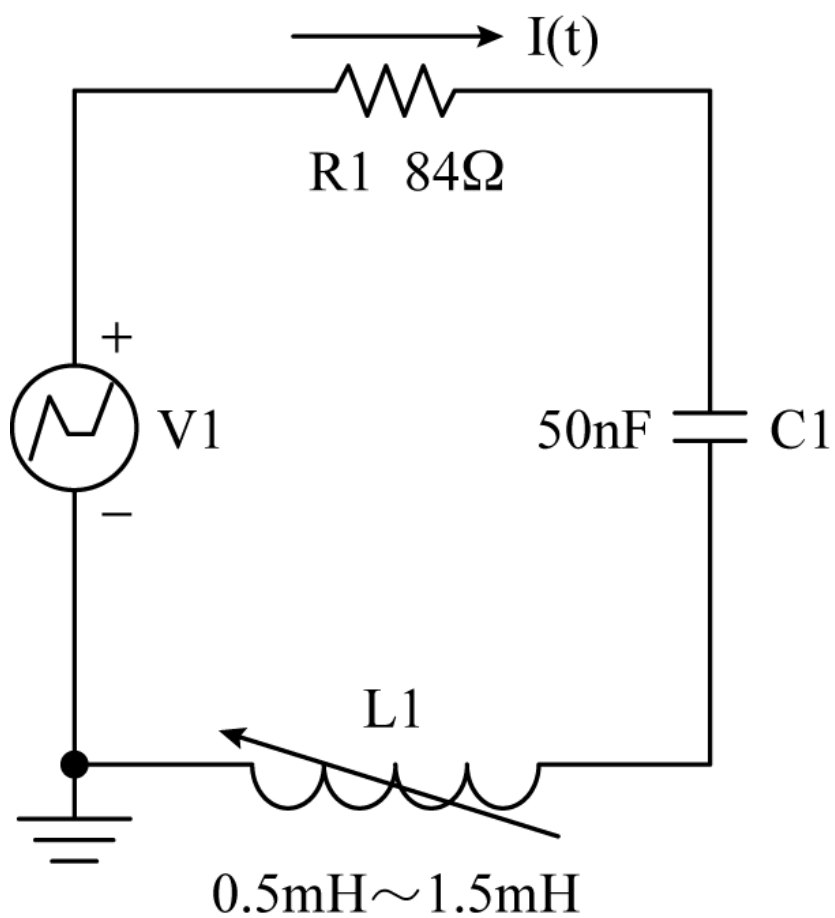
班級： 電 二 乙

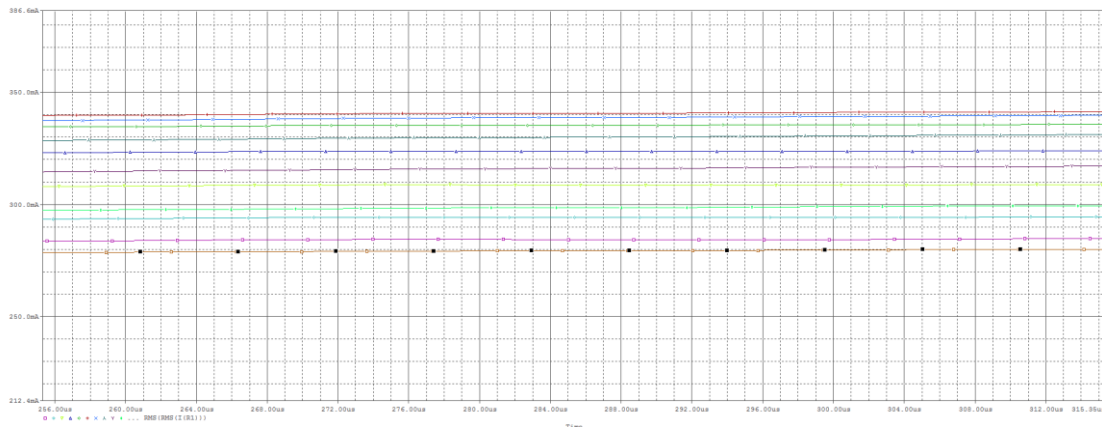
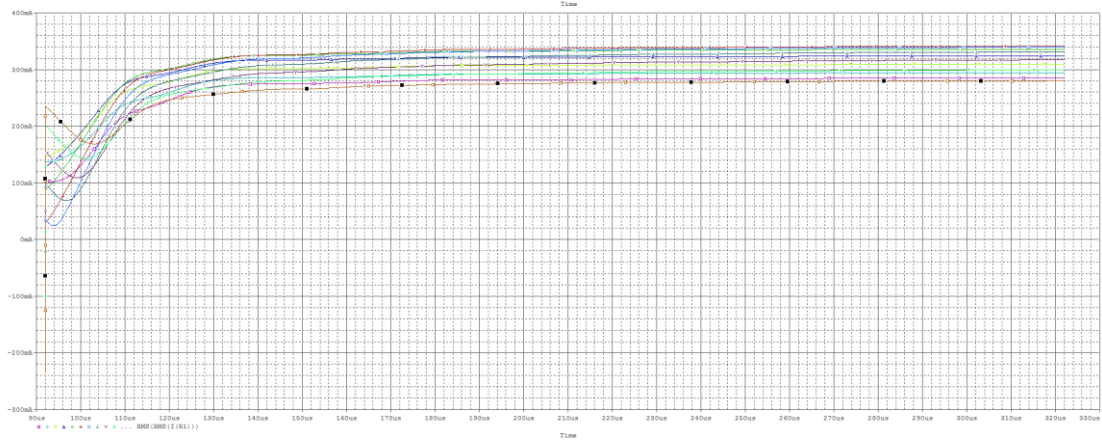
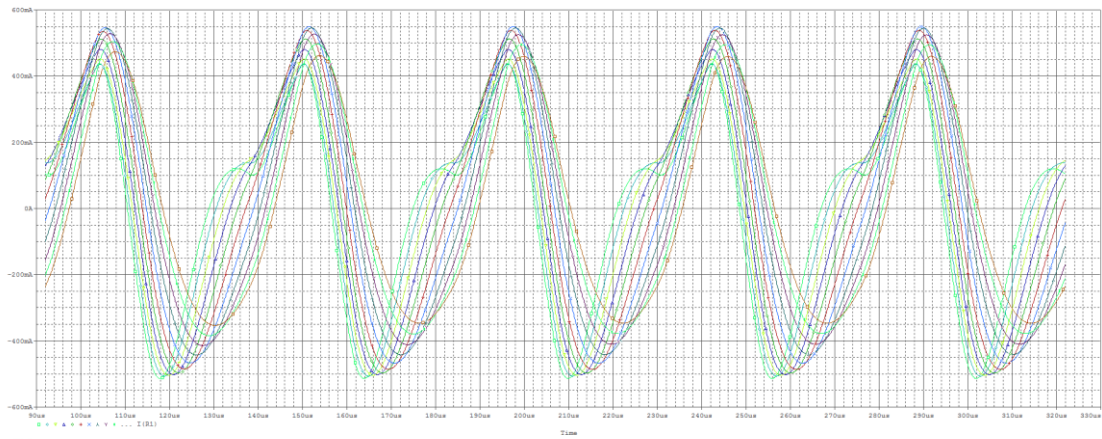
姓名： 蔡承宏

學號： 110510216


老師： 陳俊達

例題 29-三角波、參數掃描、曲線族





Section Information



RMS(RMS(I(R1)))

This trace came from one simulation run

Step param Lv1 = 1.0000E-03

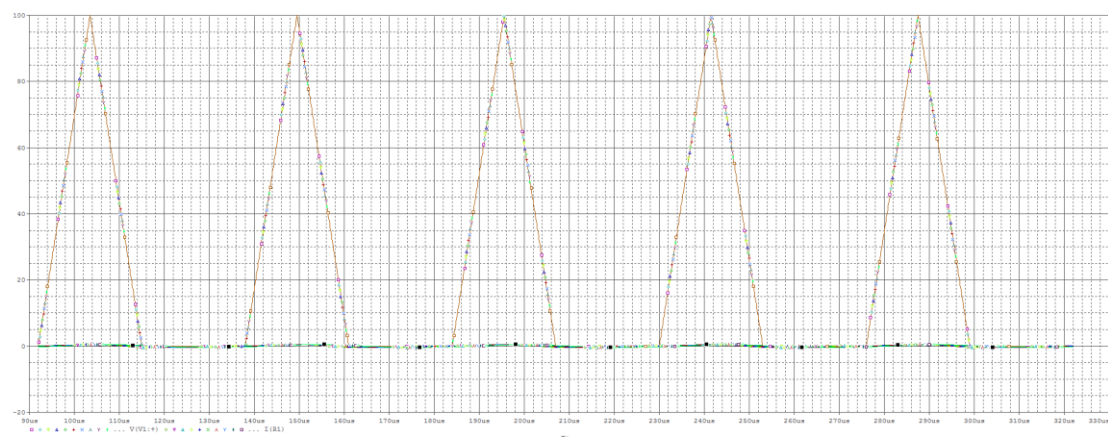
Temperature = 27.0 Deg

Simulation at 16:07:30 on 05/24/18

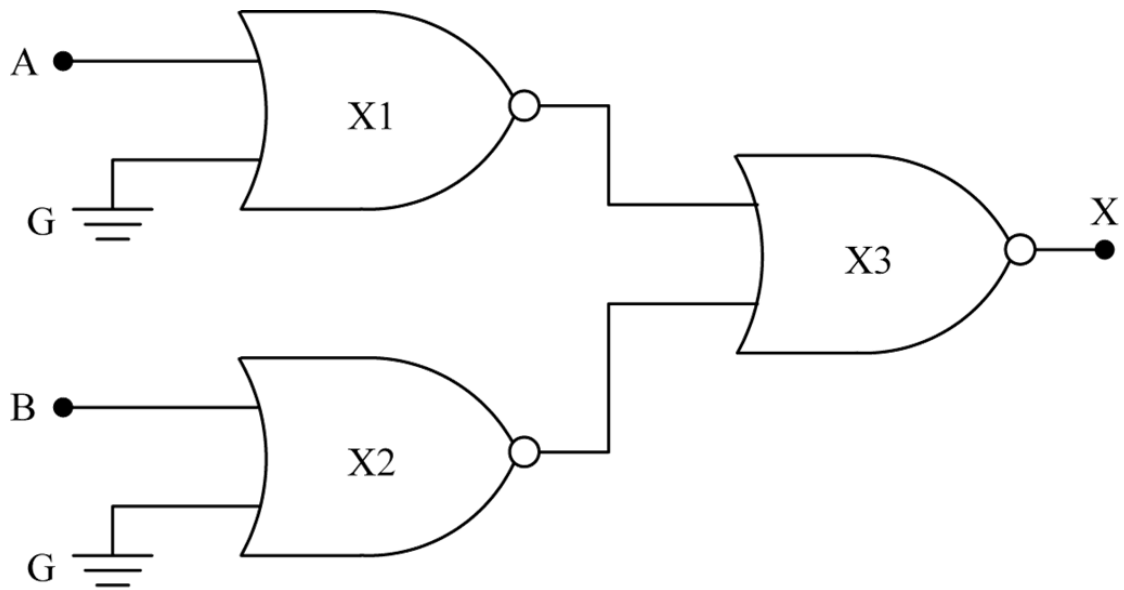
The simulator created 2346 data points.

This trace is being displayed using 2346 data points.

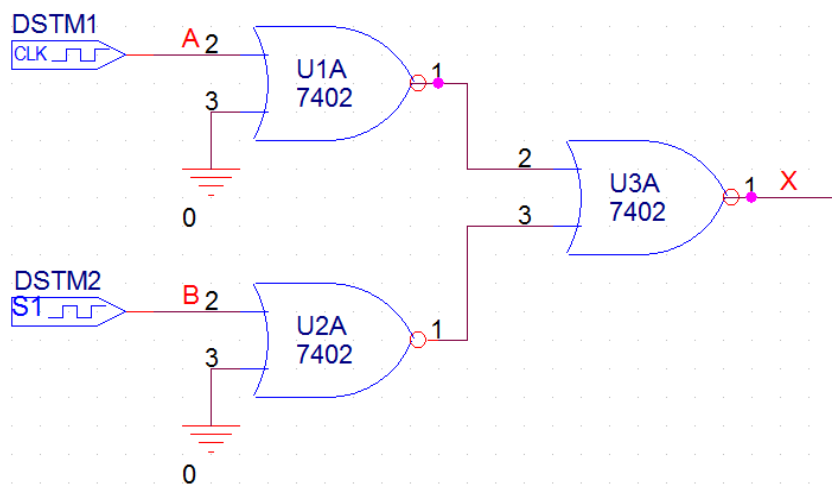
確定



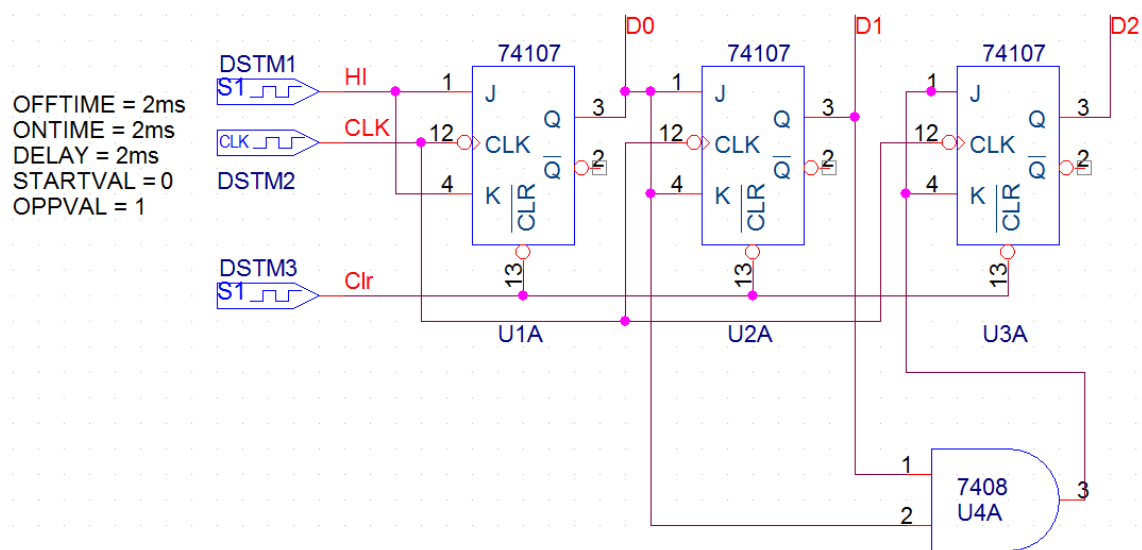
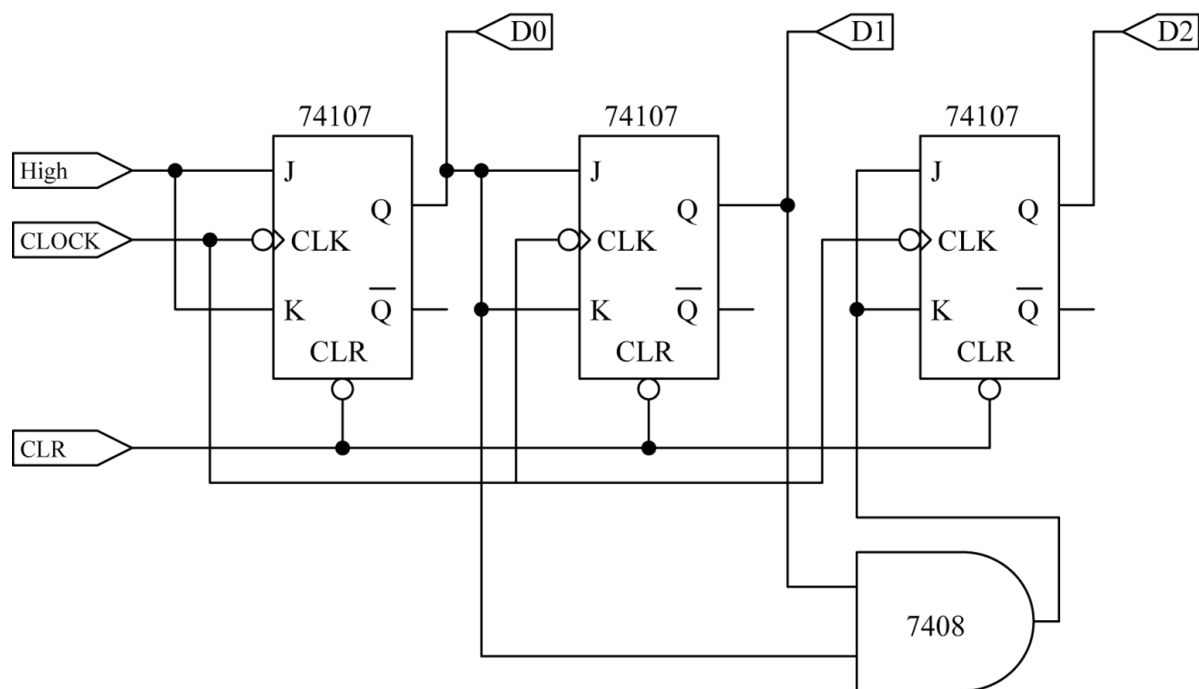
例題 30-數位信號源與邏輯閘電路



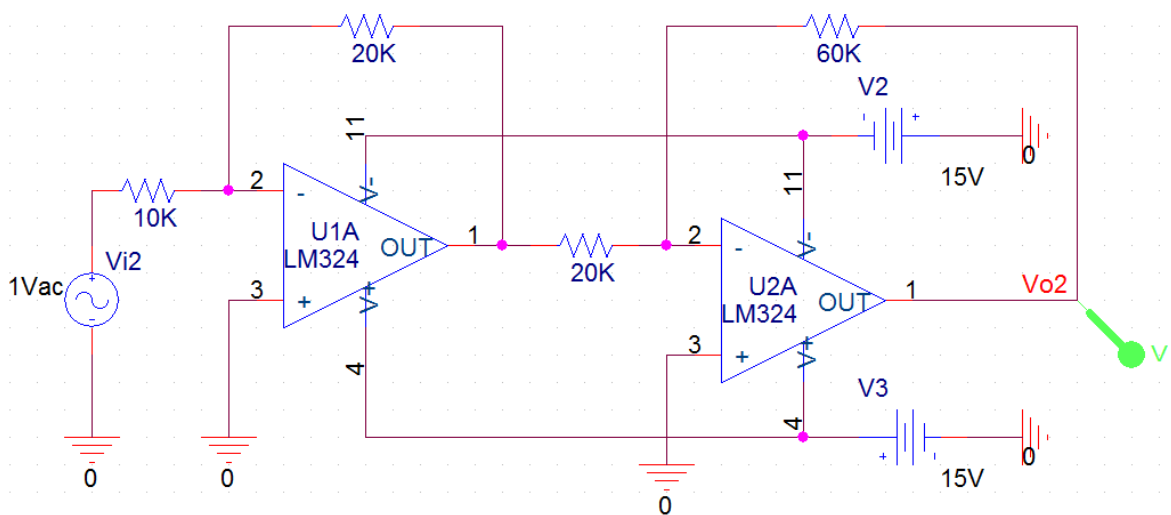
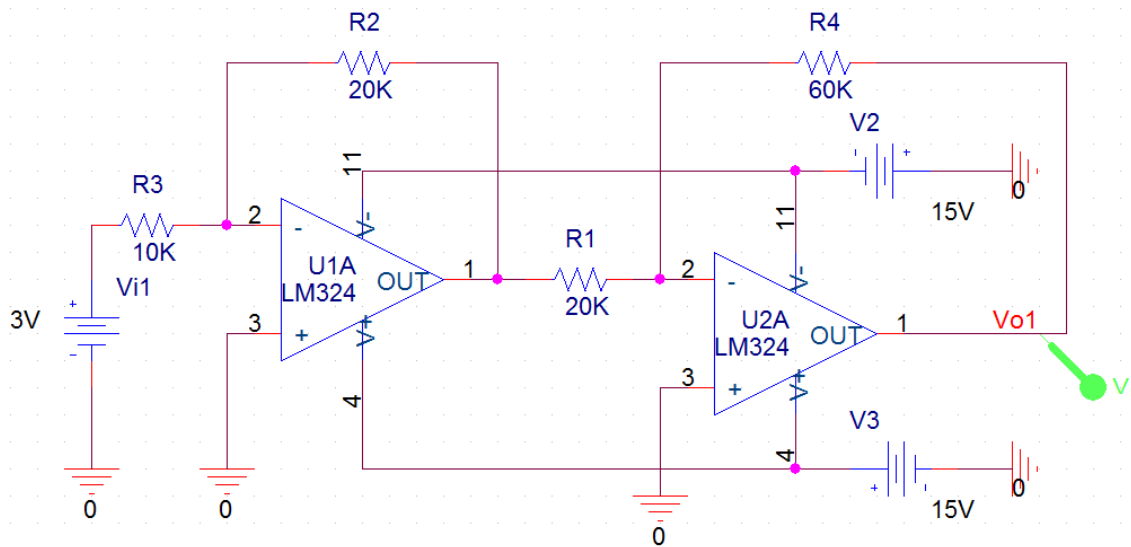
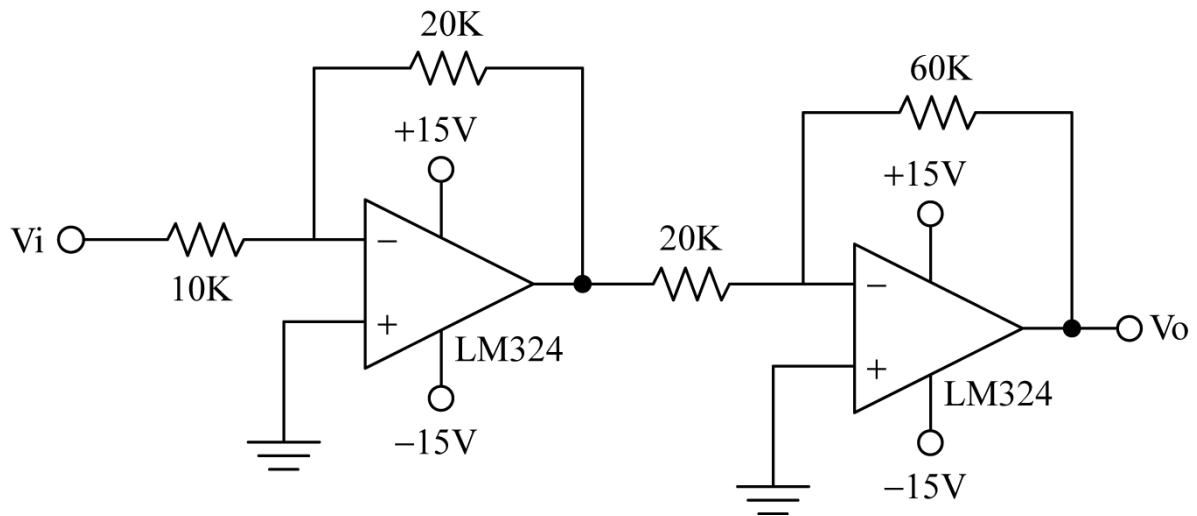
OFFTIME = 0.1ms
ONTIME = 0.1ms
DELAY =
STARTVAL = 0
OPPVAL = 1

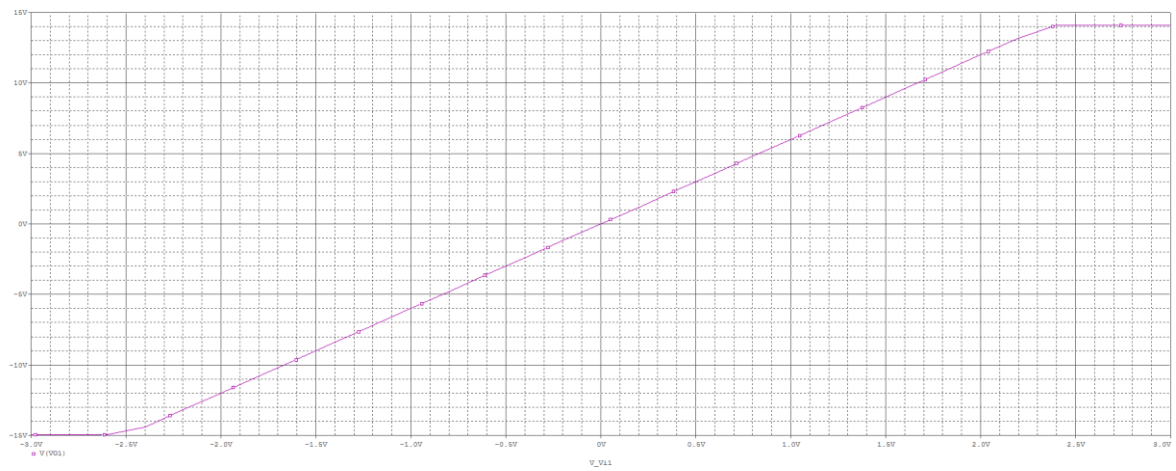


例題 31-74107 JK-Flip Flop 所兜成之除以二之計數器

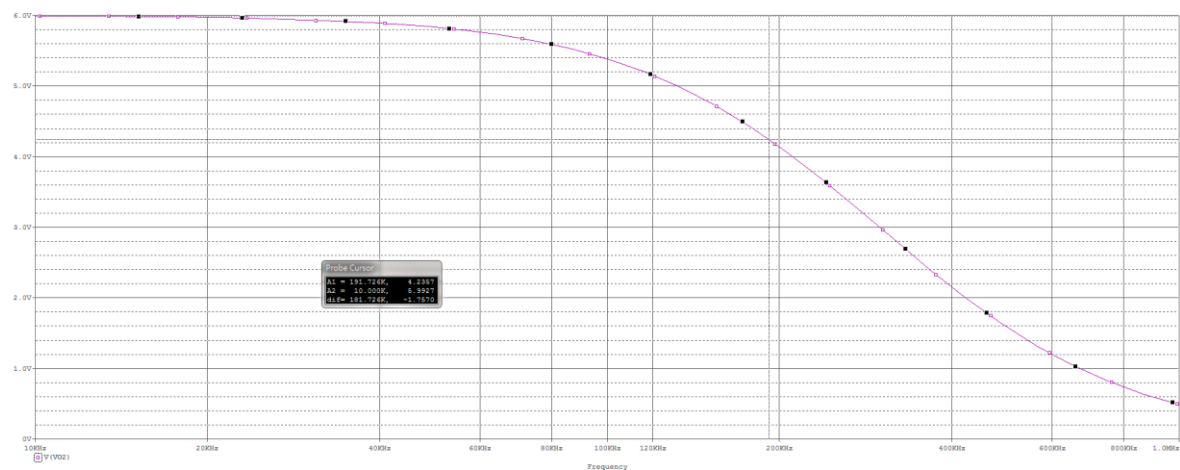


例題 33-將 Sweep 之後的曲線，轉換成相對應的數據群組





V_Vi1	V(V01)
-3	-14.9632844924927
-2.8	-14.9632844924927
-2.6	-14.9629535675049
-2.4	-14.3980159759521
-2.2	-13.1981010437012
-2	-11.9981861114502
-1.8	-10.7982721328735
-1.6	-9.59835720062256
-1.4	-8.39844226837158
-1.2	-7.19852685928345
-1	-5.99861192703247
-0.8	-4.79869699478149
-0.6	-3.5987823009491
-0.4	-2.39886736869812
-0.2	-1.19895255565643
0	0.000962371181230992
0.2	1.20087730884552
0.4	2.40079212188721
0.6	3.60070705413818
0.8	4.80062198638916
1	6.00053691864014
1.2	7.20045185089111
1.4	8.40036678314209
1.6	9.60028171539307
1.8	10.800196647644
2	12.000111579895
2.2	13.200026512146
2.4	14.106183052063
2.6	14.1132459640503
2.8	14.1133117675781
3	14.1133813858032



Frequency	V(V02)
10000	5.99272694054443
11547.8198468946	5.99044659485797
13335.2143216332	5.98740897014545
15399.2652605949	5.98336273978461
17782.7941003892	5.97797626432135
20535.2502645715	5.97080893028987
23713.7370566166	5.96127916263723
27384.1963426436	5.94862000643549
31622.7766016838	5.9318259767127
36517.4127254838	5.90958365292973
42169.6503428583	5.88019278744795
48696.7525165864	5.84146981674432
56234.132519035	5.79065121002401
64938.1631576212	5.72429854529514
74989.4209332457	5.63823658684656
86596.4323360066	5.52756630473492
100000	5.3868063050088
115478.198468946	5.21024317635591
133352.143216333	4.99256654052105
153992.652605949	4.72981134628468
177827.941003893	4.42055108843866
205352.502645715	4.0671078754241
237137.370566166	3.67639760259183
273841.963426437	3.2599718432831
316227.766016838	2.83297375642838
365174.127254838	2.41211260741934
421696.503428583	2.01317470564214
486967.525165864	1.64881526717527
562341.32519035	1.32723085567275
649381.631576213	1.05192932938484
749894.209332457	0.822398799966334
865964.323360067	0.635258492907621
1000000	0.485479773016984