R1: $0.02071\text{k}\Omega$
RD: $0.10066\text{k}\Omega$
R2: $0.02710\text{k}\Omega$
R3: $0.04624\text{k}\Omega$
R4: $0.09996\text{k}\Omega$
Rx: $0.02514\text{k}\Omega$

Voltage:

VIn from 1-5:

1. $V_{in} = 1V, V_{out} = 249.046\text{mV}$
2. $V_{in} = 1.5V, V_{out} = 0.35718V$
3. $V_{in} = 2V, V_{out} = 0.44132V$
4. $V_{in} = 2.5V, V_{out} = 0.52933V$
5. $V_{in} = 3V, V_{out} = 0.62618V$
6. $V_{in} = 3.5V, V_{out} = 0.71285V$
7. $V_{in} = 4V, V_{out} = 0.79163V$
8. $V_{in} = 4.5V, V_{out} = 0.87522V$
9. $V_{in} = 5V, V_{out} = 0.95708V$

Step 3:
$V_{in} = 1.00156V$

u=0.1Ω

$V_{out,0} = 141.701\text{mV}$
$V_{out,1} = 155.439\text{mV}$
$V_{out,2} = 174.402\text{mV}$
$V_{out,3} = 192.556\text{mV}$
$V_{out,4} = 212.202\text{mV}$
$V_{out,5} = 228.903\text{mV}$

$V_{out,6} = 249.465\text{mV}$
$V_{out,7} = 266.950\text{mV}$
$V_{out,8} = 285.170\text{mV}$
$V_{out,9} = 299.915\text{mV}$
$V_{out,10} = 313.520\text{mV}$

Step 4:

$V_{out} = 136.156mV, R = 10\Omega$
$V_{out} = 1.38015V, R = 1010\Omega$
$V_{out} = 1.4454, R = 2010\Omega$
$V_{out} = 1.46874V, R = 3010\Omega$
$V_{out} = 1.48064V, R = 4010\Omega$
$V_{out} = 1.48788V, R = 5010\Omega$
$V_{out} = 1.49280V, R = 6010\Omega$
$V_{out} = 1.49629V, R = 7010\Omega$
$V_{out} = 1.49891V, R = 8010\Omega$
$V_{out} = 1.50098V, R = 9010\Omega$
$V_{out} = 1.50259V, R = 10010\Omega$

Step 5:

$V_{out} = 0.2980V, R = 1\Omega$
$V_{out} = 0.5777V, R = 2\Omega$
$V_{out} = 0.85348V, R = 3\Omega$
$V_{out} = 1.13520V, R = 4\Omega$
$V_{out} = 1.4150V, R = 5\Omega$
$V_{out} = 1.51144V, R = 6\Omega$
$V_{out} = 1.51251V, R = 7\Omega$
$V_{out} = 1.51331V, R = 8\Omega$
$V_{out} = 1.51391V, R = 9\Omega$
$V_{out} = 1.51425V, R = 10\Omega$

Step 6:
$V_{th} = 0.87075V$
$R_{th} = 0.04232k\Omega$

Step 7:

$V_{out} = 165.1740mV, R = 10\Omega$
$V_{out} = 0.83550V, R = 1010\Omega$
$V_{out} = 0.85258, R = 2010\Omega$
$V_{out} = 0.85849V, R = 3010\Omega$
$V_{out} = 0.86146V, R = 4010\Omega$
$V_{out} = 0.86324V, R = 5010\Omega$
$V_{out} = 0.86445V, R = 6010\Omega$
$V_{out} = 0.86532V, R = 7010\Omega$
$V_{out} = 0.86595V, R = 8010\Omega$
$V_{out} = 0.86646V, R = 9010\Omega$
$V_{out} = 0.86684V, R = 10010\Omega$

Step 8:

$R_{rb} = 0.49449M\Omega$
$R_{rw} = 0.6320M\Omega$
$R_{bw} = 131.263k\Omega$

Step 9:

$V_r = 2.17784V$

$V_r = 0.195V$ for 0.5
$V_r = 0.725V$ for 2.5

$V_r = 1.4V$ for 10

$V_r = 2.0V$ for 50