

Out[\*]=

first amplification		
setting	resistance	amplification
switch 1S1	[k $\Omega$ ]	
{1, 1, 1, 1}	0.899	0.0899
{0, 1, 1, 1}	0.9	0.09
{1, 0, 1, 1}	0.907	0.0907
{0, 0, 1, 1}	0.908	0.0908
{1, 1, 0, 1}	0.988	0.0988
{0, 1, 0, 1}	0.989	0.0989
{1, 0, 0, 1}	0.998	0.0998
{0, 0, 0, 1}	0.999	0.0999
{1, 1, 1, 0}	8.93	0.893
{0, 1, 1, 0}	9.01	0.901
{1, 0, 1, 0}	9.8	0.98
{0, 0, 1, 0}	9.9	0.99
{1, 1, 0, 0}	83.3	8.33
{0, 1, 0, 0}	90.9	9.09
{1, 0, 0, 0}	500.	50.
{0, 0, 0, 0}	1000.	100.
populated resistors in feedback path:		
{1. $\times 10^6$ , 100 000., 10 000., 1000.}		
populated resistor in front of OPamp		
10 000.		