Differential amplifier resistors' calculation

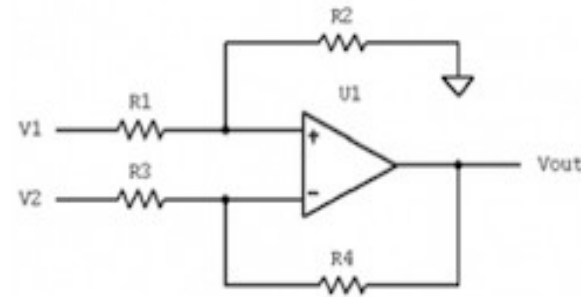from: "http://masteringelectronicsdesign.com/solving-the-differential-amplifier-part-1/"

Vin_min [V]					Vout_min [V]
1,2					0,9

	x	y	z		Vout_max [V]
Vin_max [V]	gain	R4/R3	R1/R2		1,3
1,6	1,000	0,100	0,100		

V1 [V]	V2 [V]	R1 [kΩ]	R2 [kΩ]	R3 [kΩ]	R4 [kΩ]	Vout [V]	non-inv. input [V]
1,2	3,0	100	1000	100	10,0	0,900	1,091
1,3						1,000	1,182
1,4						1,100	1,273
1,5						1,200	1,364
1,6						1,300	1,455

Vout vs. V1

— Vout [V]