

Circuit 01		n rower	ai	- Coccari			(2/2)
configuration	DAG	8 C	B	8 A	oud	- Put	(Vo) 0027
1	0	0	0	0	V	2 0.4	
2	Ь	0 30	0	5	e i limita de	10.0	A STATE OF THE PARTY OF THE PAR
3	0	7.0	\$	0	W - 1	1.4	
4	0	6	5	0		=1.0	
5	0	5	0	5		\$ 2.1	197
(0	5		0		> 2.	
7	D	6	5				
8 2	0	1	5	10	at	* 3 ·	497
9 27	5	0	6	8	1 -	- + 3	3.997
10	5	0	- 6	0		+	1.497
11	5	0	Į Į	0	1	*	4.007
12	15	00		5 5		- 2	5.407
13	15	5		0 0			5.097
19	5	to	- 0	TO	5	_	+ 6.497
15	5	5		5	0	-	\$ 6.997

In pret	D	C	B.	-	1			put voltage (v.)
Mild	0	0	0		٥			049
	0	0	0		5		5.6	
	0	0	F	100	0	1	1.21	
	043	0	5		5	1	1.86	5.4.5.4.
	0	6	0		0.	11/20		193
	0	5	0		5	-	3.1	.19
,	D	5	las!	હ	0	1	3.7	99
3	6 Por	15	A N	5	2		1	369
7	5	0		0	0			9948
6	5	0		0		ခ်	1-	5.(19 and and
1 100	6	On	Life	5		0	+	3.244
2	5	0		7	5	5		6.860
13	5	1	5		5	0		7.404
4	5		5		6	5		-8. 1198
15	5		5	50	50	(5	8.744
6	5	Value of the	5		5		5	-0.369

Reports

1) In both circuit of D2A converter, we can not get the higher output less than 15v and a higher than 15v. Because. In both circuit of D2A converter, -15v and +15v are box voltage and so output will be between them.

2) for both D2A converter.

: input is 4 bits; :, fall step output = 2-1

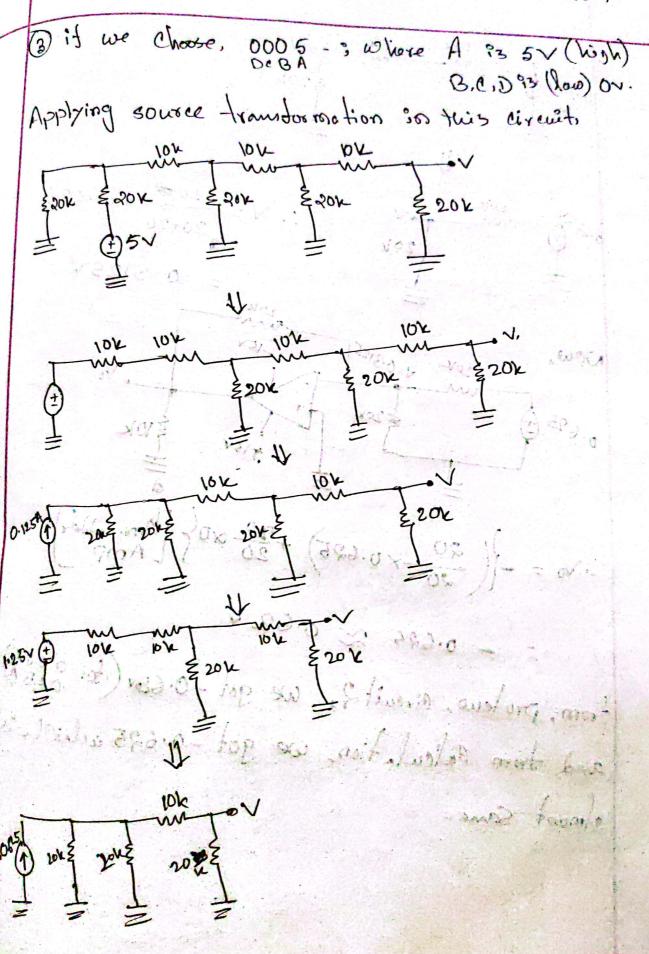
= 15 steps

Binary weighted resistor:

Step size = -0.497 (: nesulation = -0.497 full scale = -7.497) = 0.8663

R/2R D2A: Step size = -0.62 July scale = -9.369

resulation = -0.62 -9.369 = 0.0661V



IOK 10% 0.625 0.3125 1=0.3125 0.625 × 0.62 from, proteus, circuit 2, we got -0.620 (for 0005) and from Calculation, we got -0.625 actich almost same.

Jan Circuit 0)

abjuration of the state of the	D	2	B	A		output vo		
" Filme		O 100	0	0	9	0.0027		
1	O		0	1	12.137.11	-0.697		
	0	0	1	8		-1.397		
3	0	0	21020	1	- S	-2097		
4	3.0	1	6	0		- 2.797		
3	17.5	i can	0	O.J.	roni	-3.497		
6-11	0	1 Vd	100000	0	writ	-4.197		
7	0,			+	10/4	-4.897		
8	0		0			- 5.596		
9	1	0	D			-6.297 .		
10	1	0			3	-6.997		
M	<u> </u>	6				-7.697		
12	1	0	A		A	- 8.397		
13	· ·		0	,	6	-9.097		
14	1	1	0			- 9. 796		
15	1				B			
14	1				1.1	-10.496		

B) when, RF=1kr; Soput for 0000 => Vo=0.0027V

: step &ize = -0.4007 \times 0.50 when, RF = 3 km, input for \$00000 > Vo= 0.006~ input " 0001 > Vr= -1.49~

: Step Size = -1.40 × 1.50

3 PS 3 -

So, if we increase RF 3 fines, 5-tep size also increase 3 times. So, of RF increases, then step size also increases.

