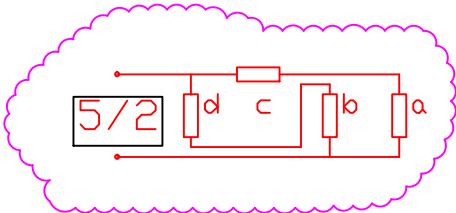
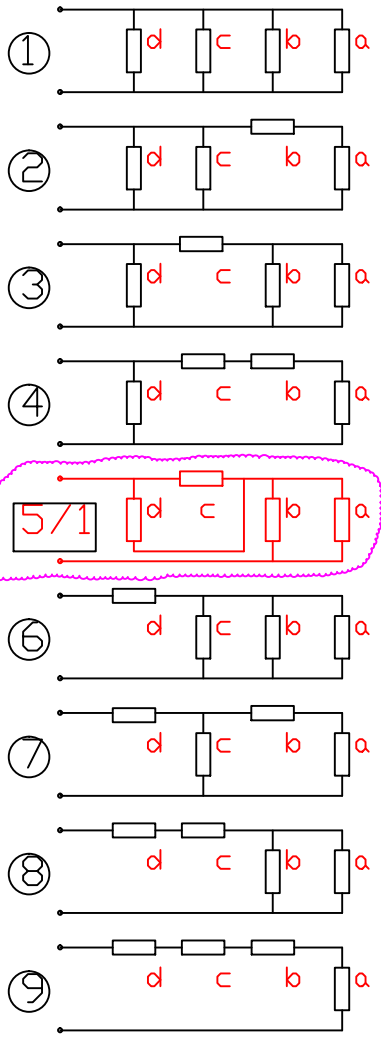


A051045

$$\alpha(4) = 44$$

Combination of Resistor values

d	c	b	a
1	2	3	4
1	3	4	2
1	4	2	3
2	1	3	4
2	3	4	1
2	4	1	3
3	1	2	4
3	2	4	1
3	4	1	2
4	1	2	3
4	2	3	1
4	3	1	2



Possible Resistance Values													
Circuit													
1	0.48											1	
2	0.61	0.67	0.69	0.97	1	1.09						6	
3	0.79	0.81	0.84	1.15	1.31	1.41	1.3125	1.448276	1.826087	1.419355	1.62963	1.913043	12
4	0.9	1.6	2.1	2.4								4	
5/1	2.38	2.08	2										0
5/2	2.1	2.4	2.5										0
6	1.92	2.63	3.57	4.55								4	
7	2.56	3	3.22	2.88	3.88	4	3.857143	4.428571	4.714286	4.833333	5.333333	5.5	12
8	4.71	5.33	6.2	5.8	6.75	7.67						4	
9	10											1	
All possible value												44	
Excluding circuit 5/1 & 5/2													