

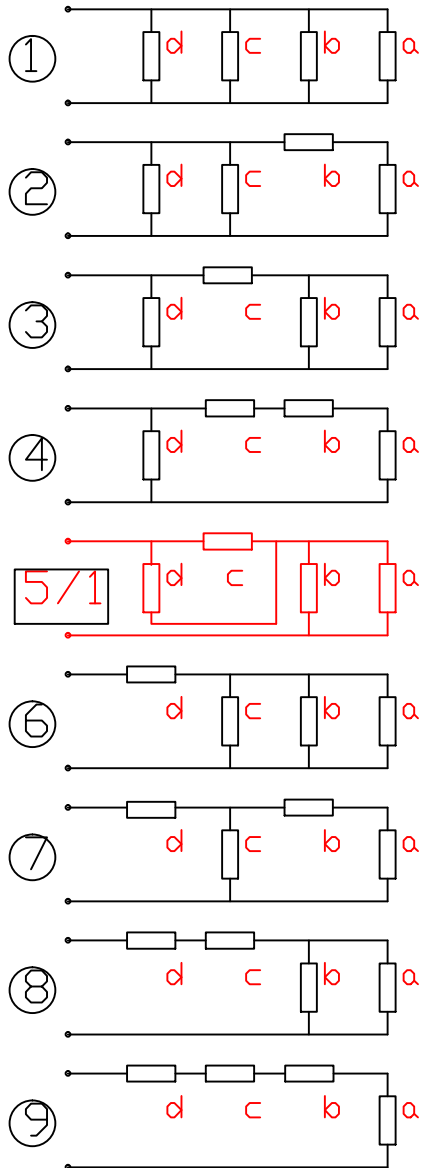
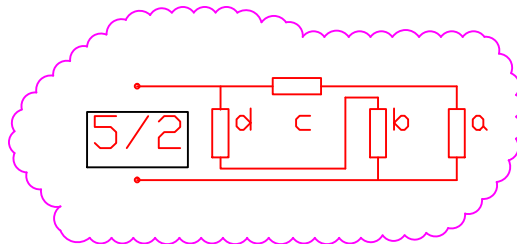
A005840

$n = 4$

$a(4) = 46$

Combination of Resistor values

d	c	b	a
3	5	7	9
3	7	9	5
3	9	5	7
5	3	7	9
5	7	9	3
5	9	3	7
7	3	5	9
7	5	9	3
7	9	3	5
9	3	5	7
9	5	7	3
9	7	3	5



n = 4: R1 = 3, R2 = 5, R3 = 7, R4 = 5 Ohm

Circuit	Possible Resistance Values												
	1	1.2702											
2	1.678322	1.826087	1.894737	2.346369	2.432432	2.638743							6
3	2.246073	2.318919	2.396648	2.905759	3.245614	3.291892	3.447205	3.561404	3.569832	3.968944	4.258741	4.468531	12
4	2.625	3.958333	4.958333	5.625									4
5/1	5.3143	5.1667	5.8125										0
5/2	5.8333	6.00	5.3333										0
6	5.202797	6.702703	8.551724	10.47887									4
7	6.809524	7.526316	7.666667	8.142857	9.421053	9.470588	9.736842	10.52941	11.23529	11.4	12.33333	12.73333	12
8	11.9375	13.21429	14.25	14.91667	16.1	17.875							6
9	24.00												1

All possible value 46
Including circuit 5/1 & 5/2 52