



E	I	R	P
	1		
	1		
	1		
1			

E	I	R	P
2	1	2	
	1		
			2

E	I	R	P
3			12
			12
	6		36

E	I	R	P
	1		12
	2		
			36
		2	

E	I	R	P
5	3		18
			12
	1		
			36

E	I	R	P
4	1.5		
24		24	
			12

E	I	R	P
7	12		12
			24
	6		

E	I	R	P
8	3	2	
	2		
			6

E	I	R	P
9			36
			24
	3		72

Ohms Watts formulas can always be used horizontally.

Parallel circuit formulas can be used vertically when all are parallel.

$E_t$  = equal     $I_t$  = additive     $R_t = 1/(1/R_1 + 1/R_2 + 1/R_3 + 1/R_4)$      $P_t$  = additive