

Table 1: The ratio of graceful labelings to lattice points

Tree	Decimal	Fraction
1-1-1	0.600	3/5
2-1-1	0.522	12/23
3-1-1	0.250	1/4
4-1-1	0.336	44/131
5-1-1	0.479	23/48
6-1-1	0.578	152/263
7-1-1	0.923	12/13
8-1-1	1.667	992/595
9-1-1	2.476	255/103
10-1-1	5.122	1808/3533
11-1-1	10.427	1147/110

Tree	Graceful Labelings	Lattice Points	Facets	Edges	Volume
1-1-1	12	8	18	9	
2-1-1	12	23	12	20	40/3
3-1-1	12	48	14	24	103/3
4-1-1	44	131	16	34	272/3
5-1-1	92	192	36	58	157
6-1-1	152	263	40	70	664/3
7-1-1	384	416	60	102	357
8-1-1	992	595	42	76	508
9-1-1	2040	824	42	80	2144/3
10-1-1	5424	1059	36	70	2780/3
11-1-1	13764	1320	64	12	3511/3