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T

R Simion

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from article
many say

f91

DM 88 1991

R. Simion, Trees with 1-factors...
DM 88 1991 93-104

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n	matched trees			oriented ϕ_{2n}	identity matched trees		
	rooted $r_{2n} = s_{2n}$	planted $p_{2n} = s_{2n-1}$	unlabeled m_{2n}		rooted b_{2n}	planted c_{2n}	unlabeled a_{2n}
1	1	1	1	1	1	1	0
2	2	1	1	1	2	1	0
3	7	3	2	3	5	2	0
4	26	10	5	8	18	7	1
5	107	39	15	27	66	24	4
6	458	160	49	91	266	95	16
7	2 058	702	180	350	1 111	388	64
8	9 498	3 177	701	1 376	4 792	1 650	252
9	44 947	14 830	2 891	5 743	21 124	7 183	1 018
10	216 598	70 678	12 371	24 635	94 888	31 965	4 182
11	1 059 952	342 860	54 564	108 968	432 415	144 502	17 510
12	5 251 806	1 686 486	246 319	492 180	1 994 828	662 241	74 510

Fig. 1.

new new new new new new

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S_n = self-inverse oriented trees on n nodes

1 1 1 2 3 7 10
1 2 3 4 5 6 7