Tables for the algorithm ReducedTableOfMarks, with improvements (Case $G=S_{12}$)

We have a chain of groups $H \le U \le G := S_{14}$. The runtimes are that of **ReducedTableOfMarks** with **IFP-Order**, **IFP-Intransitive** and **IFP-Transitive**. The style of the tables is described in the bachelor thesis.

Prop.	Chain	Prop.	#	Σ	time Fix	time Split
U	length/Indices	H	Fix	ti-		
				me		
D[2],	6, [20, 144,	D[1],	-1	1	[1]	[0]
5, II	252, 11, 12]	4, II				
D[2],	6, [20, 144,	D[2],	80	129	[1, 2, 42, 43,	[3, 1, 9, 4, 1
5, II	252, 11, 12]	5, II			23]]
D[2],	6, [20, 144,	D[3],	-1	0	[0]	[0]
5, II	252, 11, 12]	3, II				
D[3],	9, [12, 20, 7,	D[1],	-1	0	[0]	[0]
3, II	8, 9, 10, 11,	4, II				
	12]					
D[3],	9, [12, 20, 7,	D[2],	-1	0	[0]	[0]
3, II	8, 9, 10, 11,	5, II				
	12]					
D[3],	9, [12, 20, 7,	D[3],	8640	2936	[1, 9, 19,	[3, 2, 1, 1, 1,
3, II	8, 9, 10, 11,	3, II			80, 198, 347,	2, 3, 4]
	12]				1052, 1213]	
D[3],	9, [12, 20, 7,	D[4],	-1	0	[0]	[0]
3, II	8, 9, 10, 11,	2, II				
	12]					
D[4],	9, [8, 6, 15,	D[1],	-1	0	[0]	[0]
2, II	28, 9, 10, 11,	4, II				
	12]					
D[4],	9, [8, 6, 15,	D[2],	-1	0	[0]	[0]
2, II	28, 9, 10, 11,	5, II				
	12]					
D[4],	9, [8, 6, 15,	D[3],	-1	0	[0]	[0]
2, II	28, 9, 10, 11,	3, II				
	12]					

D[4],	9, [8, 6, 15,	D[6],	-1	0	[0]	[0]
2, II	28, 9, 10, 11,	4, II	-1	0	[0]	[0]
2, 11	12]	4, 11				
D[5],	12, [2, 3, 4,	D[1],	-1	0	[0]	[0]
1			-1	0	[0]	[0]
1, Pr	5, 6, 7, 8, 9,	4, II				
DIEL	10, 11, 12]	DIOI	1	0	F 0 1	F 0 1
D[5],	12, [2, 3, 4,	D[2],	-1	0	[0]	[0]
1, Pr	5, 6, 7, 8, 9,	5, II				
75.03	10, 11, 12]	70.503	-			
D[6],	7, [64, 3, 3,	D[2],	-1	0	[0]	[0]
4, II	70, 45, 66]	5, II				
D[6],	7, [64, 3, 3,	D[3],	-1	0	[0]	[0]
4, II	70, 45, 66]	3, II				
D[6],	7, [64, 3, 3,	D[20],	-1	0	[0]	[0]
4, II	70, 45, 66]	108,				
		IT				
D[7],	9, [12, 20, 7,	D[1],	-1	0	[0]	[0]
3, II	8, 9, 10, 11,	4, II				
	12]					
D[7],	9, [12, 20, 7,	D[6],	-1	0	[0]	[0]
3, II	8, 9, 10, 11,	4, II				
	12]					
D[12],	6, [192, 15,	D[2],	-1	0	[0]	[0]
12, II	15, 2, 462]	5, II				
D[12],	6, [192, 15,	D[6],	0	141	[37, 2, 5, 4,	[26, 1, 1, 1, 6
12, II	15, 2, 462]	4, II			58]]
D[12],	6, [192, 15,	D[7],	0	1419	[38, 3, 47,	[11, 0, 0, 1, 7
12, II	15, 2, 462]	3, II			21, 1291]]
D[12],	6, [192, 15,	D[8],	-1	0	[0]	[0]
12, II	15, 2, 462]	16, II				
D[12],	6, [192, 15,	D[20],	-1	0	[0]	[0]
12, II	15, 2, 462]	108,				
		IT				
D[12],	6, [192, 15,	D[30],	-1	0	[0]	[0]
12, II	15, 2, 462]	30240,				- -
′		II				
	l .					

					T _	I -
D[15],	6, [2, 15, 3,	D[1],	0	57	[4, 25, 1, 4, 0]	[3, 17, 1, 1, 1
384,	210, 66]	4, II]]
II						
D[15],	6, [2, 15, 3,	D[2],	-1	0	[0]	[0]
384,	210, 66]	5, II				
II						
D[15],	6, [2, 15, 3,	D[9],	-2	0	[0]	[0]
384,	210, 66]	12, II	_	"	[0]	[,
II II	210,00	12, 11				
D[15],	6, [2, 15, 3,	D[10],	-1	0	[0]	[0]
/		/	-1	0	[0]	[0]
384,	210, 66]	36, II				
II		70.54.47	-		5.0.7	
D[15],	6, [2, 15, 3,	D[11],	-2	3	[3]	[0]
384,	210, 66]	16, II				
II						
D[15],	6, [2, 15, 3,	D[12],	-2	2	[2]	[0]
384,	210, 66]	12, II				
II						
D[15],	6, [2, 15, 3,	D[13],	0	0	[0]	[0]
384,	210, 66]	192,				
II		IT				
D[15],	6, [2, 15, 3,	D[16],	-1	0	[0]	[0]
384,	210, 66]	576,				
l II	, -	l II				
D[15],	6, [2, 15, 3,	D[25],	-1	0	[0]	[0]
384,	210, 66]	80640,	_	"	[0]	[,
II II	210,00	II				
D[15],	6, [2, 15, 3,	D[30],	-1	0	[0]	[0]
384,	210, 66]	30240,	1		[0]	[0]
II	210, 00]	II				
D[20],	4, [12, 800,	D[1],	0	663	[36, 587, 0]	[15, 25, 0]
1			0	000	[50, 567, 0]	[10, 40, 0]
108,	462]	4, II				
IT		D				
D[20],	4, [12, 800,	D[2],	-1	0	[0]	[0]
108,	462]	5, II				
IT						

D[20], 108, IT	4, [12, 800, 462]	D[9], 12, II	-3	6	[6]	[0]
D[20], 108, IT	4, [12, 800, 462]	D[10], 36, II	0	678	[44, 613, 0]	[8, 13, 0]
D[20], 108, IT	4, [12, 800, 462]	D[11], 16, II	-1	0	[0]	[0]
D[20], 108, IT	4, [12, 800, 462]	D[12], 12, II	-3	13	[13]	[0]
D[20], 108, IT	4, [12, 800, 462]	D[15], 384, II	-1	0	[0]	[0]
D[20], 108, IT	4, [12, 800, 462]	D[16], 576, II	-1	0	[0]	[0]
D[20], 108, IT	4, [12, 800, 462]	D[19], 192, IT	-1	0	[0]	[0]
D[31], 46080, IT	2, [10395]	D[2], 5, II	5	1133	[758]	[375]
D[31], 46080, IT	2, [10395]	D[10], 36, II	0	1160	[931]	[229]
D[31], 46080, IT	2, [10395]	D[14], 108, IT	-1	0	[0]	[0]
D[31], 46080, IT	2, [10395]	D[16], 576, II	-3	6	[6]	[0]
D[31], 46080, IT	2, [10395]	D[18], 576, II	-3	9	[9]	[0]

70.00			1 -			503
D[31],	2, [10395]	D[20],	-1	0	[0]	[0]
46080,		108,				
IT		IT				
D[31],	2, [10395]	D[23],	-1	0	[0]	[0]
46080,		7560,				
IT		II				
D[31],	2, [10395]	D[28],	-1	0	[0]	[0]
46080,		15552,				
IT		IT				
D[13],	3, [432, 5775	D[6],	0	1053	[546, 336]	[161, 10]
192,	1	4, II		1000	[525, 555]	[101, 10]
IT,	,	1, 11				
D[13],	3, [432, 5775	D[7],	0	1463	[409, 930]	[110, 14]
192,]	3, II	0	1400	[403, 350]	[110, 14]
IT IS2,	1	3, 11				
	9 [490 [777	DIOI	0	10	F 10 1	[0]
D[13],	3, [432, 5775	D[8],	-3	18	[18]	[0]
192,]	16, II				
IT						
D[13],	3, [432, 5775	D[11],	-3	6	[6]	[0]
192,]	16, II				
IT						
D[21],	2, [362880]	D[13],	-1	0	[0]	[0]
1320,		192,				
Pr		IT				
D[30],	4, [2, 120, 66	D[2],	-2	3	[3]	[0]
30240,]	5, II				
II ,		,				
D[30],	4, [2, 120, 66	D[4],	224	128	[7, 90, 19]	[4, 6, 2]
30240,	1	2, II			_ , , _	
II						
D[30],	4, [2, 120, 66	D[6],	-2	4	[4]	[0]
30240,		4, II			_	
II						
D[30],	4, [2, 120, 66	D[8],	-2	0	[0]	[0]
30240,	1	16, II				
II	_	,				

D[30], 30240,	4, [2, 120, 66]	D[13], 192,	-1	0	[0]	[0]
II	1	IT				
D[30],	4, [2, 120, 66	D[15],	-1	0	[0]	[0]
30240,]	384,				
II		II				
D[30],	4, [2, 120, 66	D[17],	-1	0	[0]	[0]
30240,]	384,				
II		II				
D[30],	4, [2, 120, 66	D[19],	-1	0	[0]	[0]
30240,]	192,				
II		IT		_		
D[30],	4, [2, 120, 66	D[21],	-1	0	[0]	[0]
30240,]	1320,				
II	4.50.400.00	Pr			F 0 3	F 0 3
D[30],	4, [2, 120, 66	D[29],	-1	0	[0]	[0]
30240,]	80640,				
II	4 50 100 00	II	-1	0	F 0 1	F O 1
D[30],	4, [2, 120, 66	D[35],	-1	0	[0]	[0]
30240, II]	518400, IT				
	4, [2, 120, 66	D[40],	-1	0	[0]	[0]
D[30], 30240,	4, [2, 120, 66	7257600		0	[0]	[0]
II	J	II	,			
D[40],	2, [66]	D[35],	0	0	[0]	[0]
7257600	-	518400,	U	0	[0]	[0]
II	,	IT				
D[40],	2, [66]	D[38],	0	0	[0]	[0]
7257600	1 '	518400,			[,]	[]
II]	IT				
D[40],	2, [66]	D[39],	-1	0	[0]	[0]
7257600		2177280),			
II		II				