

Each problem file was run using each solution scheme with a time out of 120 seconds. The cells containing -1 means that in this case no solution was found in 120 seconds.

problem file	Solution scheme - 1 BT+SmallestDomainFirst		Solution scheme - 2 BT+MinForwardDegree		Solution scheme - 3 BT+Brelaz		Solution scheme - 4 BT+DOMDDEG		Solution scheme - 5 BT+RowMajor	
	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks
d-10-01	321	263	7,081	6,347	801	695	1,001	875	254,781	229,277
d-10-06	359	299	17,849	16,040	5,719	5,123	2,319	2,063	3,909	3,494
d-10-07	7,667	6,874	20,977	18,853	1,397	1,231	5,407	4,840	80,457	72,385
d-10-08	3,178	2,835	3,408	3,042	468	396	448	378	89,428	80,460
d-10-09	305	247	1,465	1,291	405	337	70,695	63,598	9,837,255	8,853,502
d-15-01	12,471,679	11,640,181	-1	-1	4,389,634	4,096,939	-1	-1	-1	-1

problem file	Solution scheme - 6 FC+SmallestDomainFirst		Solution scheme - 7 FC+MinForwardDegree		Solution scheme - 8 FC+Brelaz		Solution scheme - 9 FC+DOMDDEG		Solution scheme - 10 FC+RowMajor	
	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks
d-10-01	58	0	321	30	102	4	118	8	2,970	742
d-10-06	59	1	722	88	551	45	229	27	180	25
d-10-07	734	59	1,171	177	150	16	502	51	3,101	811
d-10-08	314	29	189	15	67	5	68	2	1,275	250
d-10-09	58	0	67	3	67	1	5,917	916	72,137	19,248
d-15-01	748,961	82,537	-1	-1	261,866	30,829	772,905	100,801	6,183,213	1,615,864

problem file	Solution scheme - 11 MAC+SmallestDomainFirst		Solution scheme - 12 MAC+MinForwardDegree		Solution scheme - 13 MAC+Brelaz		Solution scheme - 14 MAC+DOMDDEG		Solution scheme - 15 MAC+RowMajor	
	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks
d-10-01	58	0	75	2	71	1	58	0	112	7
d-10-06	58	0	99	5	198	16	76	4	58	0
d-10-07	245	20	63	1	90	5	93	5	64	1
d-10-08	164	9	59	1	59	1	58	0	59	1
d-10-09	58	0	58	0	58	0	1,371	152	60	2
d-15-01	216,021	25,175	137,845	21,366	82,984	9,774	78,612	9,650	8,785	1,487

For a selected cell, ValueOrdering::DIAGONAL\_FREQUENCY\_ORDERING gives priority to values which appear more in the diagonally adjacent cells. Results after enabling this value ordering:

problem file	Solution scheme - 1 BT+SmallestDomainFirst		Solution scheme - 2 BT+MinForwardDegree		Solution scheme - 3 BT+Brelaz		Solution scheme - 4 BT+DOMDDEG		Solution scheme - 5 BT+RowMajor	
	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks
d-10-01	3,432	3,060	14,577	13,090	487	409	4,245	3,793	73,591	66,204
d-10-06	387	320	1,063	929	458	384	1,030	897	139,055	125,121
d-10-07	1,438	1,267	48,936	44,016	1,148	1,005	2,681	2,387	393,095	353,757
d-10-08	7,667	6,875	4,460	3,985	433	362	2,548	2,266	107,036	96,308
d-10-09	325	267	597	510	741	641	59,212	53,265	7,805	6,996
d-15-01	961,055	896,936	-1	-1	954,606	890,917	-1	-1	-1	-1

problem file	Solution scheme - 6 FC+SmallestDomainFirst		Solution scheme - 7 FC+MinForwardDegree		Solution scheme - 8 FC+Brelaz		Solution scheme - 9 FC+DOMDDEG		Solution scheme - 10 FC+RowMajor	
	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks
d-10-01	348	24	564	71	76	2	407	29	2,429	551
d-10-06	66	1	97	10	73	1	124	9	2,049	658
d-10-07	159	12	2,055	292	139	4	267	27	12,983	3,320
d-10-08	722	70	229	28	66	5	247	24	2,215	407
d-10-09	58	0	69	5	98	2	4,921	745	309	66
d-15-01	57,628	6,491	-1	-1	58,030	5,659	-1	-1	-1	-1

problem file	Solution scheme - 11 MAC+SmallestDomainFirst		Solution scheme - 12 MAC+MinForwardDegree		Solution scheme - 13 MAC+Brelaz		Solution scheme - 14 MAC+DOMDDEG		Solution scheme - 15 MAC+RowMajor	
	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks	Number of nodes	Number of backtracks
d-10-01	140	5	118	7	62	1	98	3	78	3
d-10-06	58	0	61	2	58	0	65	1	58	0
d-10-07	80	4	168	13	61	2	99	4	105	6
d-10-08	272	22	63	3	60	2	79	4	65	2
d-10-09	58	0	58	0	60	1	1,190	124	61	2
d-15-01	17,765	2,086	106,959	15,652	16,189	1,765	87,860	11,899	27,527	4,556