Step No.	Step	C10	C100	O	E	V	N	D	Failure Detected	Constraint violated	Backtrack to Step	Is Solution
1	Initial setup	0,1	0,1	1,2,3,4,5,6,7,8,9	1	0,1,2,3,4,5,6,7,8,9	0,1,2,3,4,5,6,7,8,9	0,1,2,3,4,5,6,7,8,9	NA	NA	NA	NA
2	Inference (AllDiff only)	0,1	0,1	2,3,4,5,6,7,8,9	1	0,2,3,4,5,6,7,8,9	0,2,3,4,5,6,7,8,9,	0,2,3,4,5,6,7,8,9,	N	NA	NA	NA
3	Choose variable C10, choose value 0	0	0,1	2,3,4,5,6,7,8,9	1	0,2,3,4,5,6,7,8,9	0,2,3,4,5,6,7,8,9,	0,2,3,4,5,6,7,8,9	NA	NA	NA	NA
4	Inference (AllDiff+2+3)	0	0,1	2,3,4,5,6,7,8,9	1	0,2,3,4,5,6,7,8,9	0,2,4,6,8	-	Y	3	3	NA
5	Choose variable C10, choose value 1	1	0,1	2,3,4,5,6,7,8,9	1	0,2,3,4,5,6,7,8,9	0,2,3,4,5,6,7,8,9,	0,2,3,4,5,6,7,8,9	NA	NA	NA	NA
6	Inference (AllDiff+2+3)	1	1	2,3,4,6,7,8,9	1	2,3,4,6,7,8,9	0	5	NA	NA	NA	NA
7	Choose O, choose value 2	1	1	2	1	0,2,3,4,5,6,7,8,9	0	5	NA	NA	NA	NA
8	Inference (AllDiff+2+3+4)	1	1	2	1	-	0	5	Y	4	3	NA
9	Choose variable C100, choose value 0	0,1	0	2,3,4,5,6,7,8,9	1	0,2,3,4,5,6,7,8,9	0,2,3,4,5,6,7,8,9	0,2,3,4,5,6,7,8,9	NA	NA	NA	NA
10	Inference (AllDiff+3+4)	1	0	5,6,7,8,9	1	2,4,6,8	2,3,4,5,6,7,8,9	0	NA	NA	NA	NA
11	Choose variable O, choose value 5	1	0	5	1	2,4,6,8	2,3,4,5,6,7,8,9	0	NA	NA	NA	NA
12	Inference (AllDiff+2+4)	1	0	5	1	-		0	Y	3,4	3	NA
13	Choose variable D, choose value 0	0,1	0,1	2,3,4,5,6,7,8,9	1	0,2,3,4,5,6,7,8,9	0,2,3,4,5,6,7,8,9	0	NA	NA	NA	NA
14	Inference (Alldiff+2+3)	0		2,3,4,5,6,7,8,9	1	-		0	Y	AllDiff+2	13	NA
15	Choose variable D, choose value 2	0,1	0,1	2,3,4,5,6,7,8,9	1	0,2,3,4,5,6,7,8,9	0,2,3,4,5,6,7,8,9	2	NA	NA	NA	NA
16	Inference (AllDiff+2+3)	0	-	3,5,6,7,8,9	1	0,3,5,6,7,8,9	4	2	Y	3	13	NA
17	Choose variable D, choose value 3	0,1	0,1	2,3,4,5,6,7,8,9	1	0,2,3,4,5,6,7,8,9	0,2,3,4,5,6,7,8,9	3	NA	NA	NA	NA
18	Inference (AllDiff+2+3)	0	-	2,4,5,7,8,9	1	0,2,4,5,7,8,9	6	3	Y	3	13	NA
19	Choose variable D, choose value 4	0,1	0,1	2,3,4,5,6,7,8,9	1	0,2,3,4,5,6,7,8,9	0,2,3,4,5,6,7,8,9	4	NA	NA	NA	NA
20	Inference (AllDiff+2+3)	0	-	2,3,5,6,7,9	1	0,2,3,5,6,7,9	8	4	Y	3	13	NA
21	Choose variable D, choose value 5	0,1	0,1	2,3,4,5,6,7,8,9	1	0,2,3,4,5,6,7,8,9	0,2,3,4,5,6,7,8,9	5	NA	NA	NA	NA
22	Inference (AllDiff+2+3)	1	1	2,3,4,6,7,8,9	1	2,3,4,6,7,8,9	0	5	NA	NA	NA	NA
23	Choose variable O, choose value 2	1	1	2	1	2,3,4,6,7,8,9	0	5	Na	NA	NA	NA
24	Inference (AllDiff+4)	1	1	2	1	-	0	5	Y	4	23	NA
25	Choose variable O, choose value 3	1	1	3	1	2,3,4,6,7,8,9	0	5	NA	NA	NA	NA
26	Inference (AllDiff+4)	1	1	3	1	-	0	5	Y	4	23	NA
27	Choose variable O, choose value 4	1	1	4	1	2,3,4,6,7,8,9	0	5	NA	NA	NA	NA
28	Inference (AllDiff+4)	1	1	4	1	-	0	5	Y	4	23	NA
29	Choose variable O, choose value 6	1	1	6	1	2,3,4,6,7,8,9	0	5	NA	NA	NA	NA
30	Inference (AllDiff+4)	1	1	6	1	3	0	5	NA	NA	NA	Y