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Question	Previous Answers	Presumed Answer
2	0	0
3	00	0
3	10	0
4	000	0
5	0000	0
5	1000	0
6	00000	0
8	0000000	0
8	1000000	0
9	00000000	0
9	10000000	0
10	100000000	0
*10	000000000	0

Table S2. Function Level (Reverse Ordering) CQs to Eliminate (Budget is 1%).

Question	Previous Answers	Presumed Answer
1	NA	0
3	01	1
4	001	1
4	011	1
5	0000	0
6	00000	0
6	00010	0
6	00110	0
8	0000000	0

[illegible]

Table S4. Function Level (Inside Out Ordering) CQs to Eliminate (Budget is 1%).

Question	Previous Answers	Presumed Answer
2	0	0
3	00	0
5	0000	0
5	1000	0
6	00000	0
6	10000	0
6	10010	0
7	000000	0
7	100000	0
8	0000000	0
8	1000000	0
8	1001001	0
9	00000000	0
10	000000000	0
10	100000000	0

Table S5. Functional Activities (Inside Out Order) and their Mined Branching Rules (Budget is 1%), (0 = not limited or limited a little, 1 = limited a lot).

Activity	Rule 1		Rule 2		Rule 3		Rule 4		Rule 5		Rule 6	
	0	1	0	1	0	1	0	1	0	1	0	1
1. Vigorous activities, such as running, lifting heavy objects or participating in strenuous sports	0	1	0	1	0	1	0	1	0	1	0	1
2. Lifting or carrying groceries	0	1	0	1	0	1	0	1	0	1	0	1
3. Climbing one flight of stairs	0	1	0	1	0	1	0	1	0	1	0	1
4. Walking more than one mile	0	1	0	1	0	1	0	1	0	1	0	1
5. Walking one block	0	1	0	1	0	1	0	1	0	1	0	1
6. Bathing or dressing yourself	0	1	0	1	0	1	0	1	0	1	0	1
7. Walking several blocks	0	1	0	1	0	1	0	1	0	1	0	1
8. Bending, kneeling or stooping	0	1	0	1	0	1	0	1	0	1	0	1
9. Climbing several flights of stairs	0	1	0	1	0	1	0	1	0	1	0	1
10. Moderate activities, such as moving a table, pushing a vacuum cleaner, bowling or golfing	0	1	0	1	0	1	0	1	0	1	0	1