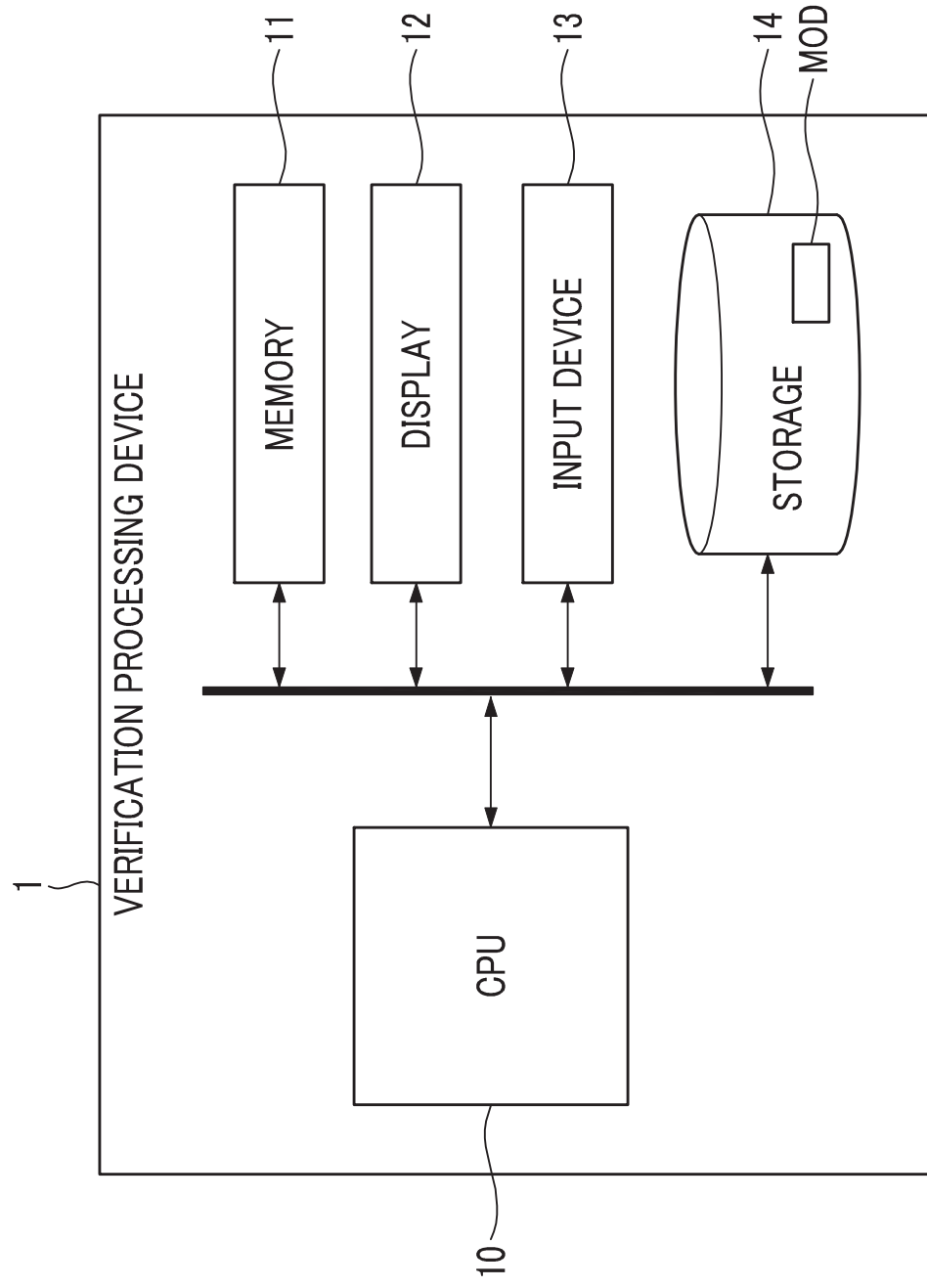
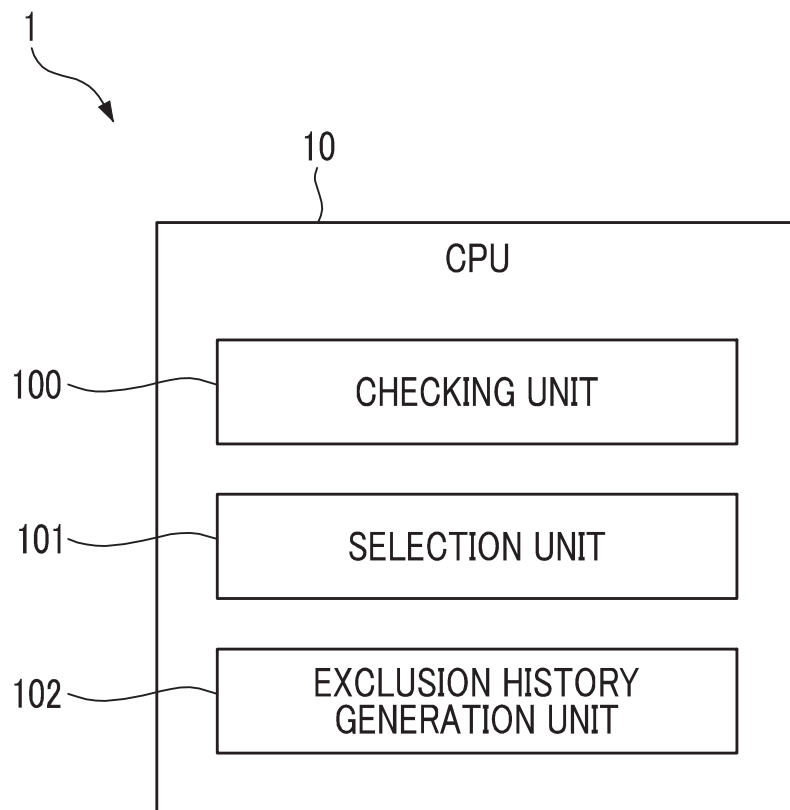


FIG. 1



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FIG. 2



3/12
FIG. 3

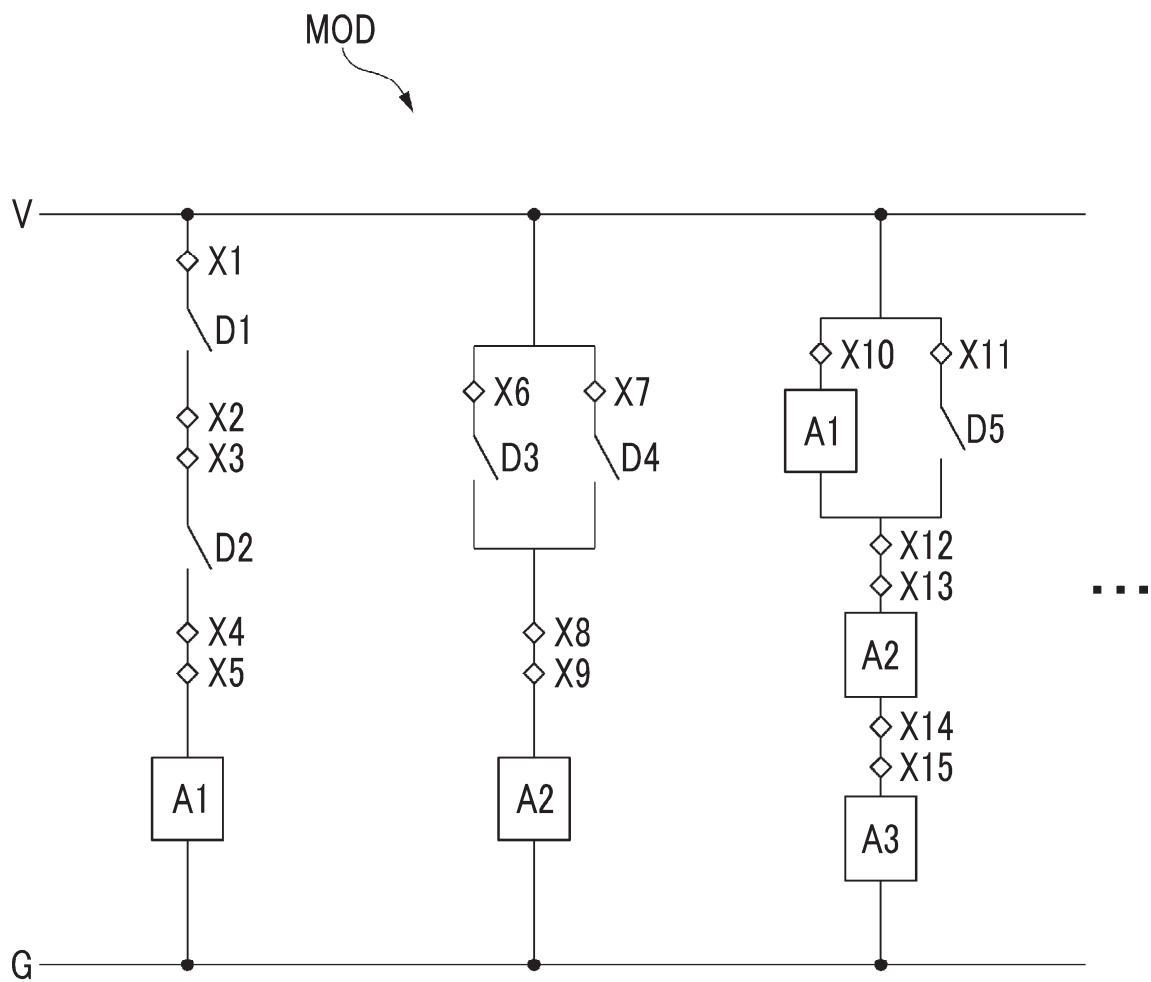
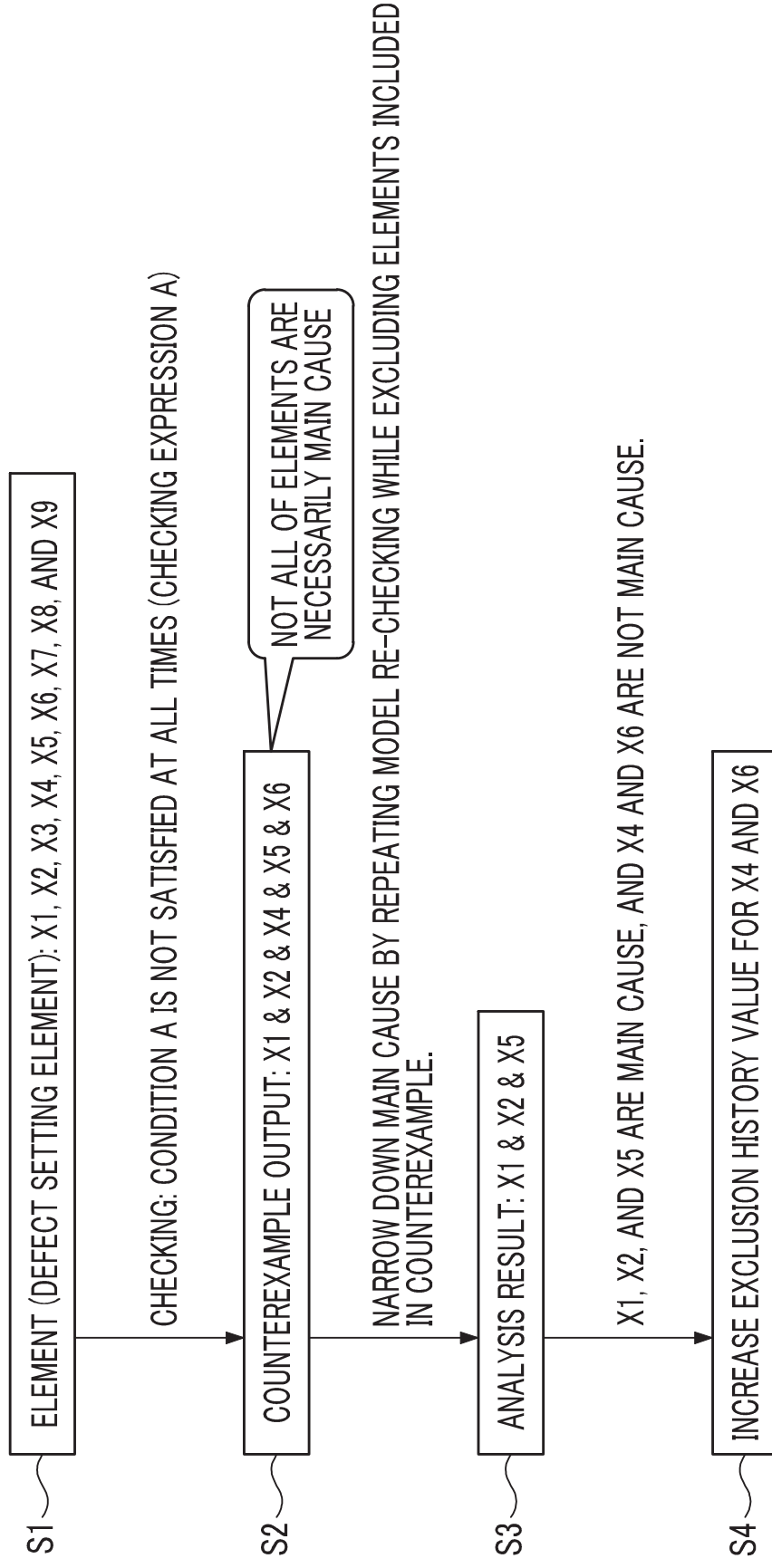


FIG. 4



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FIG. 5

(PREMISE)

- MULTIPLE FAILURE (DEFECT SETTING ELEMENT): X1, X2, X3, AND X4
(SW HAVING TWO STATES OF 0: SW OFF AND 1: SW ON)
- SINGLE FAILURE: Y1, Y2, Y3, Y4, AND Y5

EXECUTE MODEL CHECKING RELATED TO CHECKING EXPRESSION
A UNDER FOLLOWING CONDITIONS (TOTAL FIVE TIMES)

- CONDITION Y1: $Y1 + 2^4$ (COMBINATION OF X1, X2, X3, AND X4)
- CONDITION Y2: $Y2 + 2^4$ (COMBINATION OF X1, X2, X3, AND X4)
- ...
- CONDITION Y5: $Y5 + 2^4$ (COMBINATION OF X1, X2, X3, AND X4)

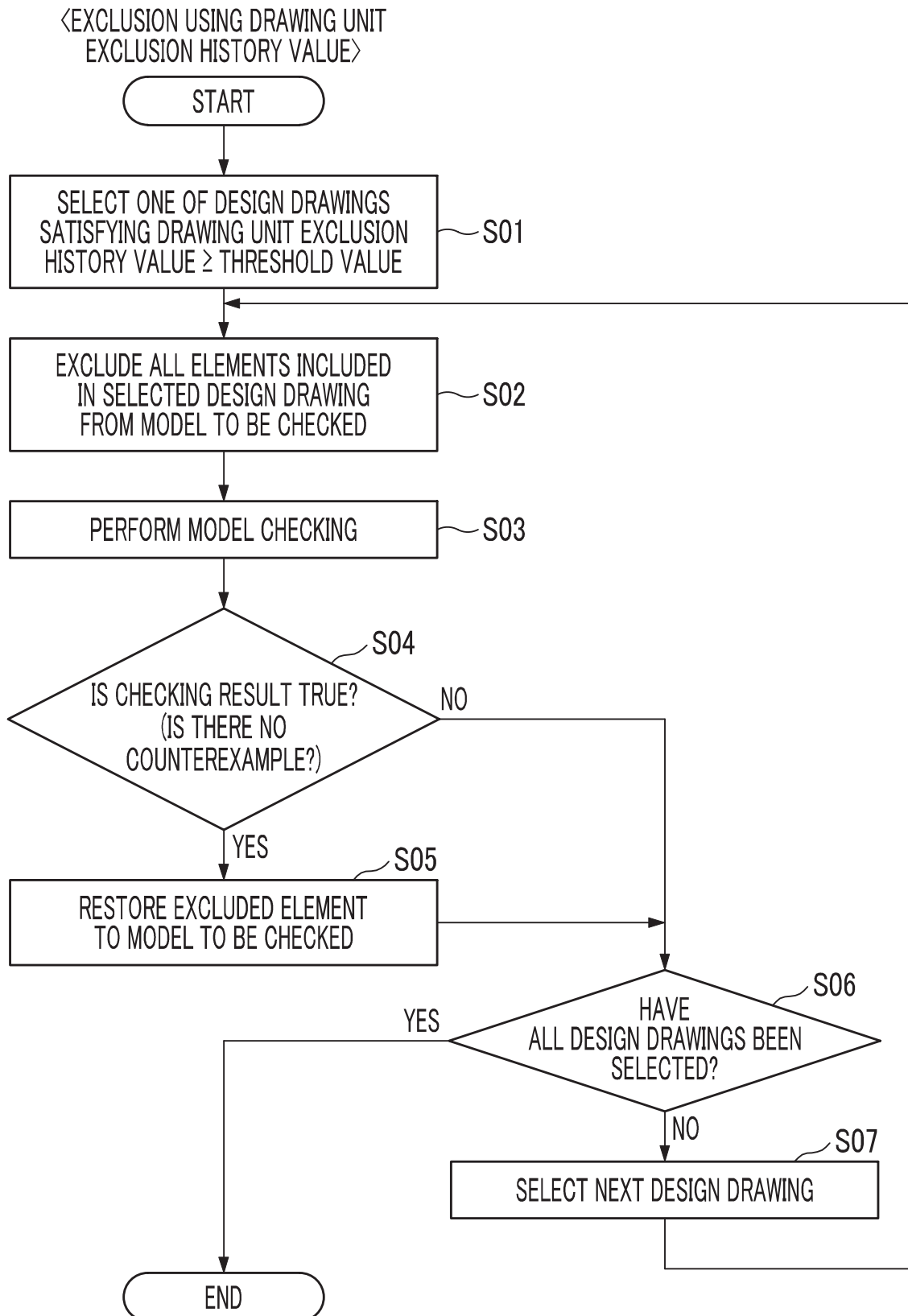
CONDITION	Y1	Y2	Y3	Y4	Y5
ANALYSIS RESULT	Y1 & X1	Y2 & X1 & X3	Y3 & X2 & X3 & X4	Y4 & X1	Y5 & X2 & X3
X1	0	0	1/3	1/4	2/5
X2	1	1	2/3	3/4	3/5
X3	1	1/2	1/3	2/4	2/5
X4	1	1	2/3	3/4	4/5

FIG. 6

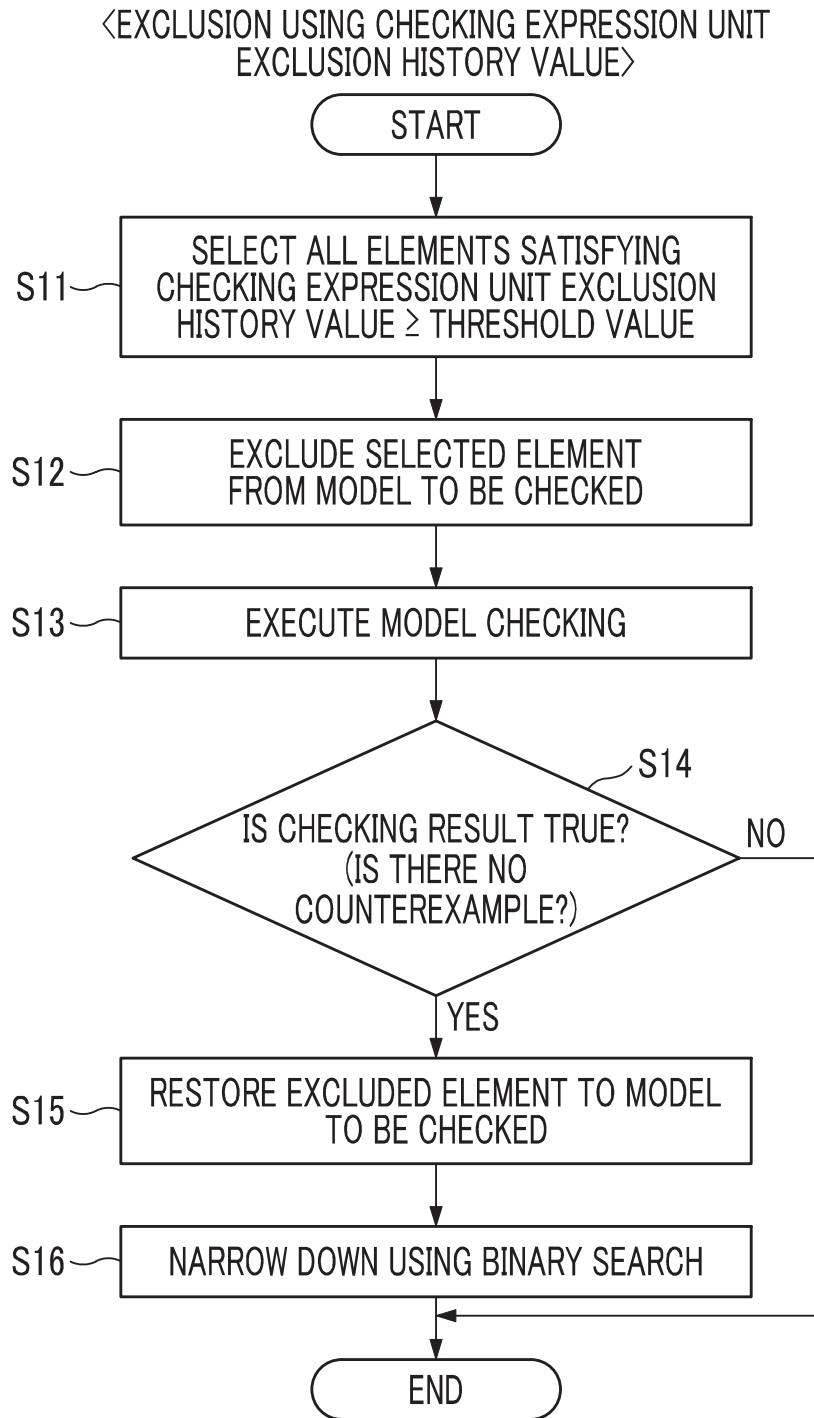
<EXCLUSION HISTORY INFORMATION>

DESIGN DRAWING	DEFECT SETTING ELEMENT	INDIVIDUAL ELEMENT	DESIGN DRAWING UNIT	CHECKING EXPRESSION UNIT		
				CHECKING EXPRESSION A	CHECKING EXPRESSION B	CHECKING EXPRESSION C
DWG1	X1	2/3	2/5	1	1/2	...
	X2	0		0	0	...
	X3	1		1	1	...
	X4	1/3		1	1/2	...
	X5	0		0	0	...
DWG2	X6	...	...	...	...	...
	X7	...		...	...	...
	X8	...		...	...	...
	X9	...		...	...	...
	X10	...		...	...	...
...	X11	...	...	...	...	...
	X12	...		...	...	...
	...	...		...	...	...

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FIG. 7



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FIG. 8



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FIG. 9

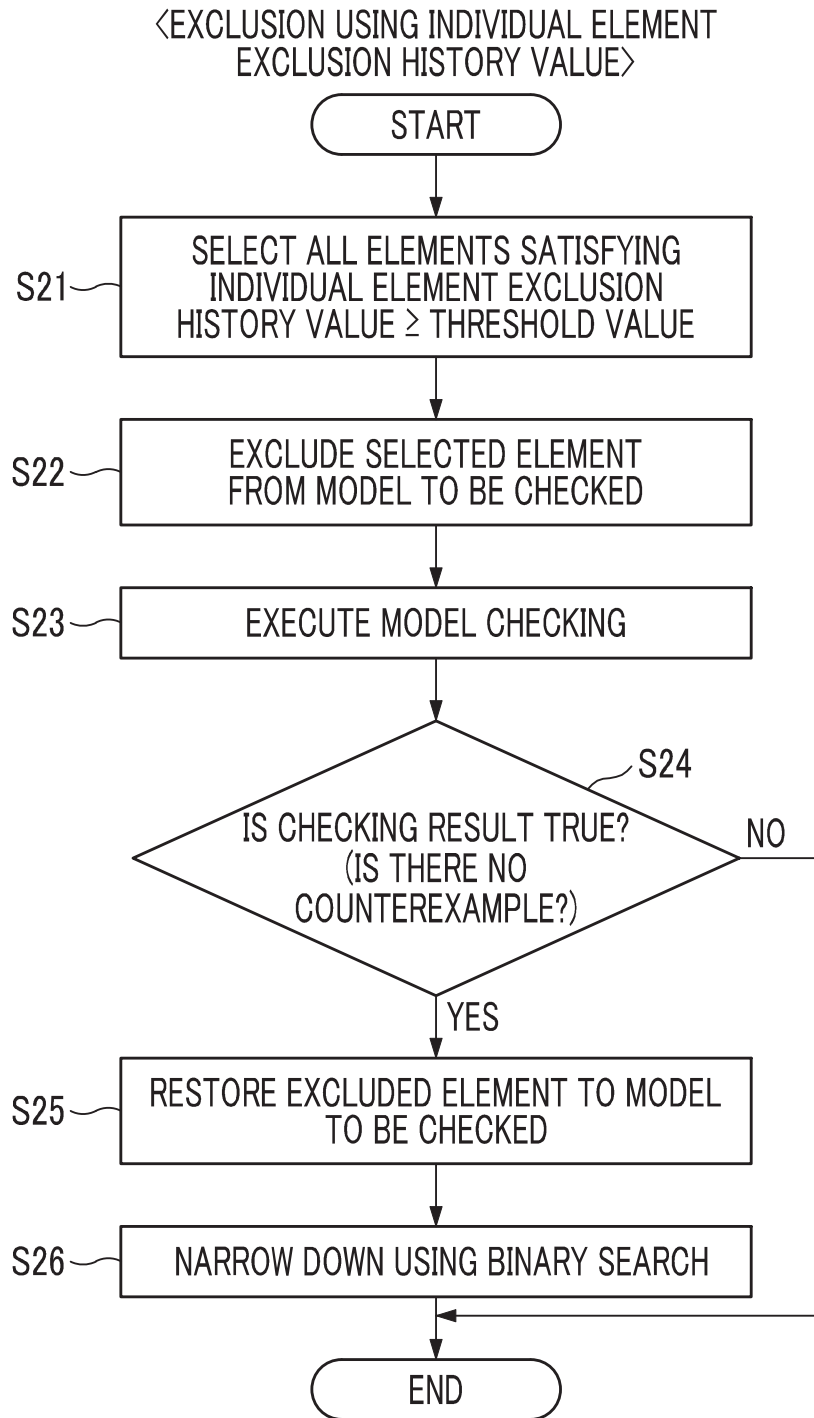
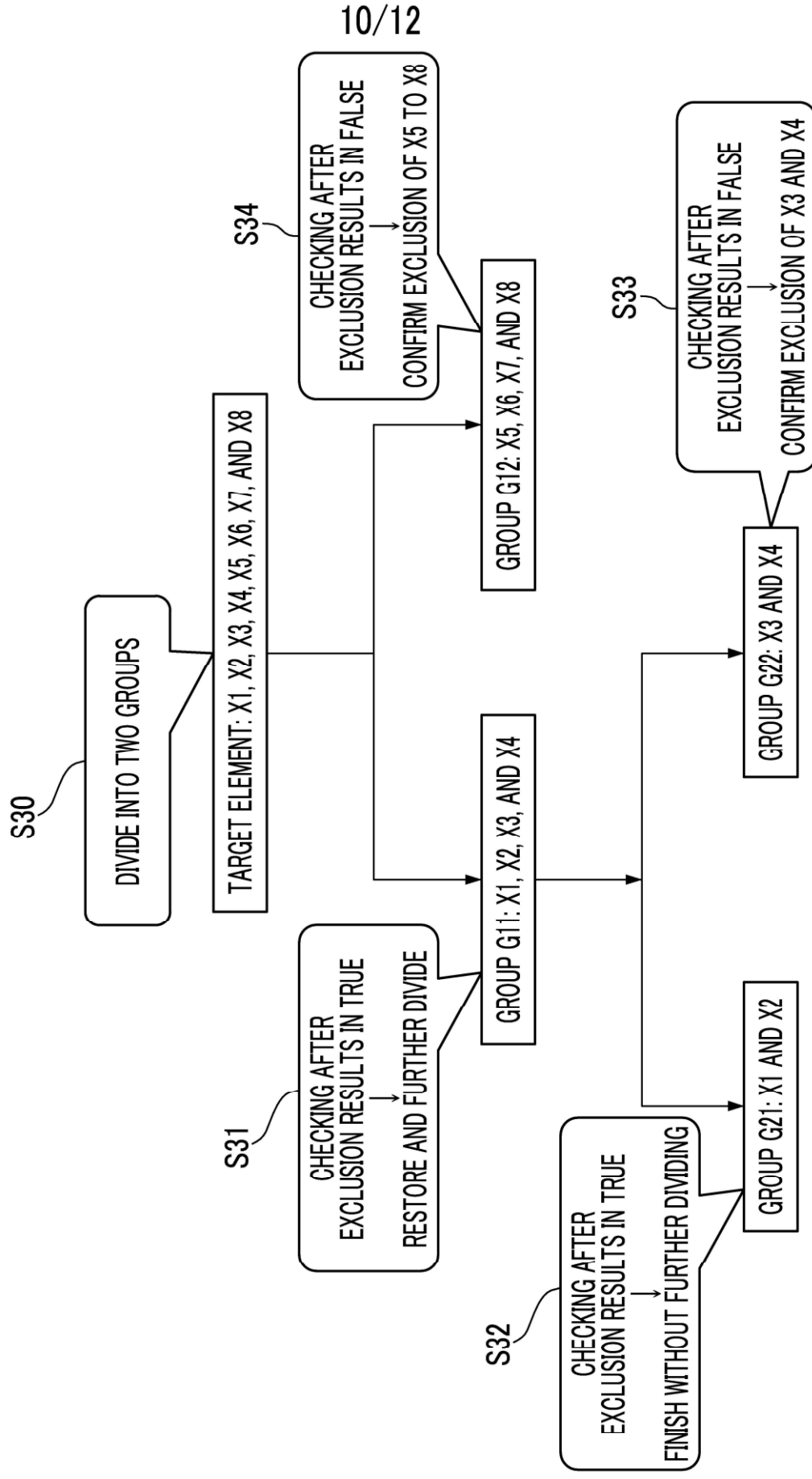


FIG. 10



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FIG. 11

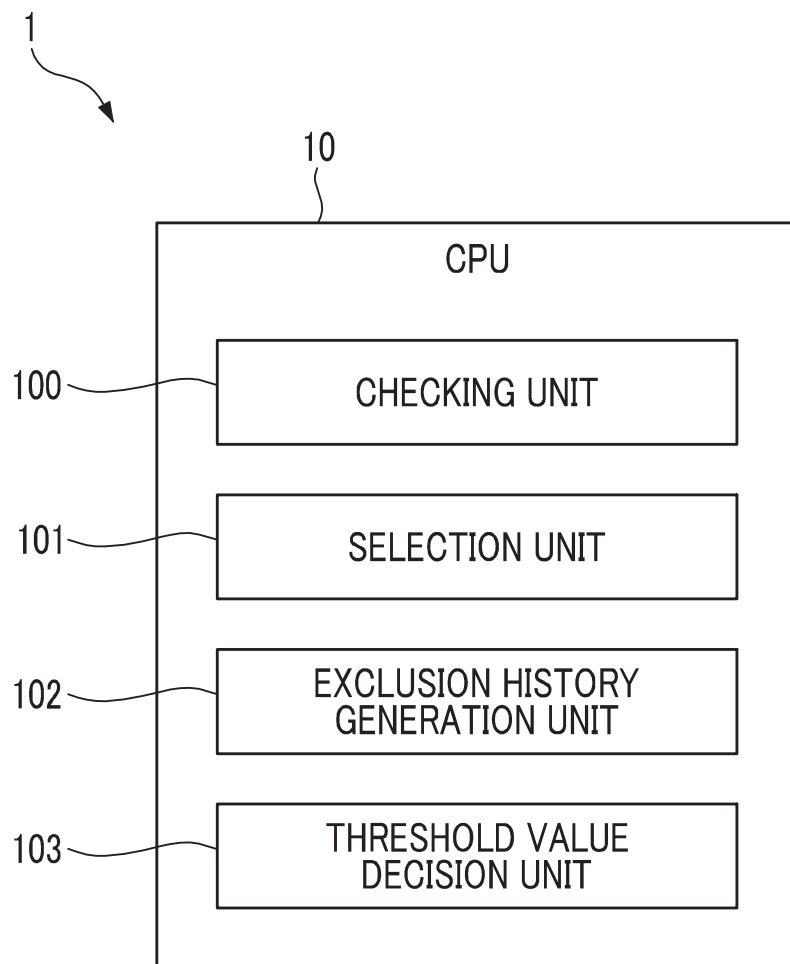


FIG. 12

