FIG. 10

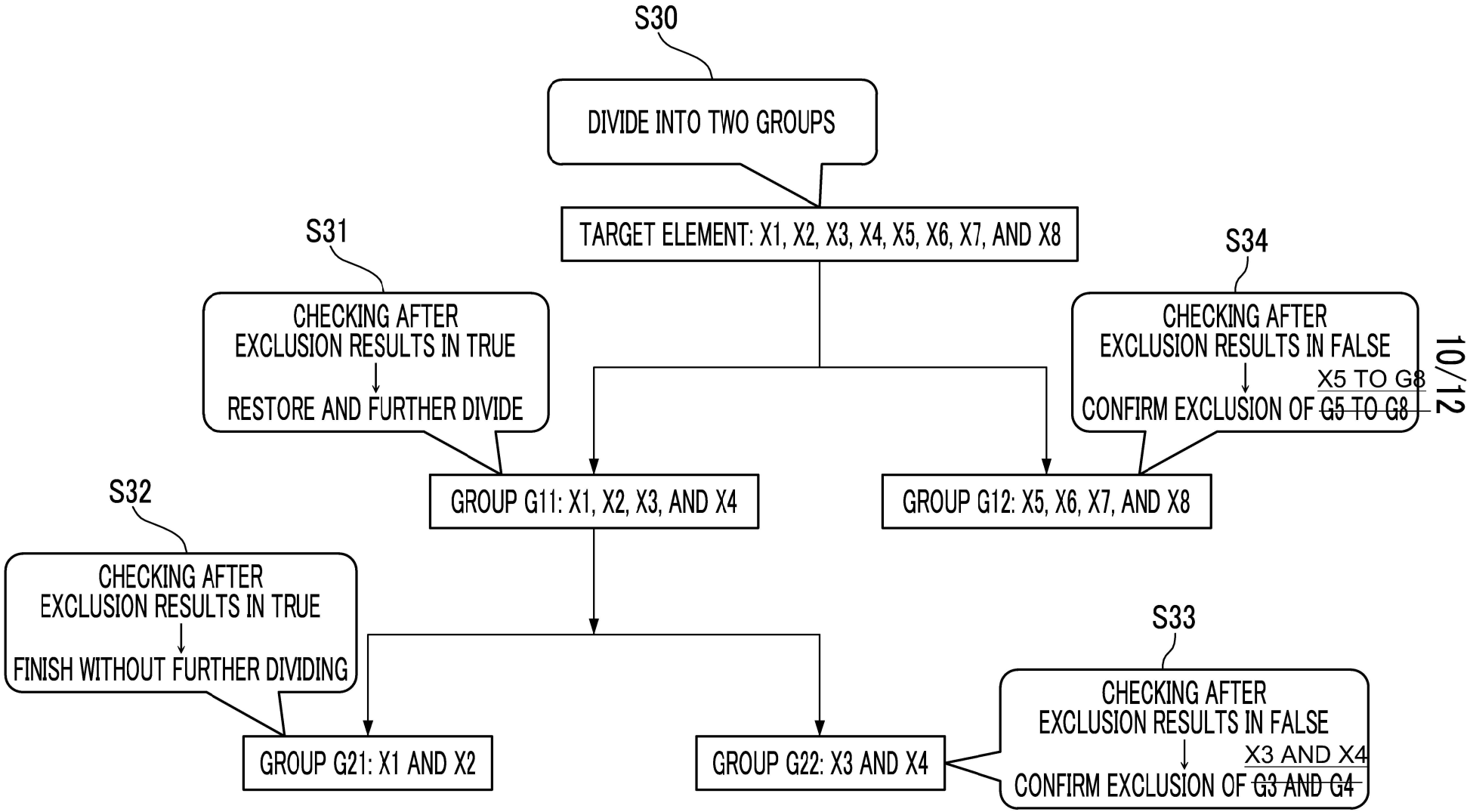
S30
DIVIDE INTO TWO GROUPS
TARGET ELEMENT: X1, X2, X3, X4, X5, X6, X7, AND X8
S31
CHECKING AFTER EXCLUSION RESULTS IN TRUE
RESTORE AND FURTHER DIVIDE
S34
CHECKING AFTER EXCLUSION RESULTS IN FALSE
X5 TO G8
CONFIRM EXCLUSION OF G5 TO G8
GROUP G11: X1, X2, X3, AND X4
GROUP G12: X5, X6, X7, AND X8
S32
CHECKING AFTER EXCLUSION RESULTS IN TRUE
FINISH WITHOUT FURTHER DIVIDING
S33
CHECKING AFTER EXCLUSION RESULTS IN FALSE
X3 AND X4
CONFIRM EXCLUSION OF G3 AND G4
GROUP G21: X1 AND X2
GROUP G22: X3 AND X4

FIG. 12

CONDITION	Y1
ANALYSIS RESULT	Y1 & X1 & X3
X1	0.7
X2 (SW DESIRED TO BE EXCLUDED)	0.9
X3	0.5
X4 (SW DESIRED TO BE EXCLUDED)	0.8

SCORE FOR EACH THRESHOLD VALUE FROM PREVIOUS RESULT

THRESHOLD VALUE	T1 = 0.7	T1 = 0.8	T1 = 0.9
CONDITION	Y1	Y1	Y1
X1 (SCORES)	-1	0	0
X2 (SCORES)	+1	+1	0
X3 (SCORES)	0	0	0
X4 (SCORES)	+1	+1	+1
TOTAL SCORES	+1	+2	+1

IN THIS EXAMPLE, T1 = 0.8 HAVING ~~LARGEST THRESHOLD VALUE~~ HIGHEST SCORES IS EMPLOYED