

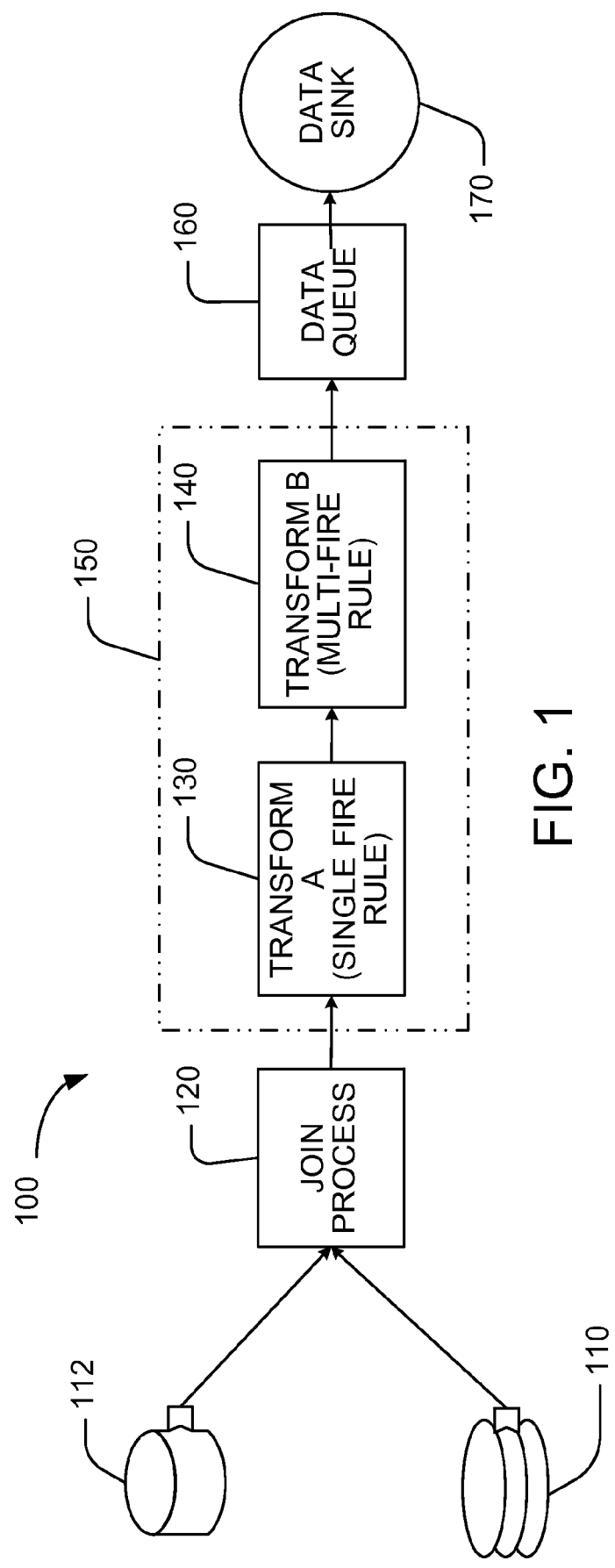


FIG. 1

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Triggers (All true cases will fire)			County Population		Output (lists)	Times Fired
Award Points			Is true:	(801515)	Products Offered	
1	>=10	* Card Type = Business	not rural		"Apple iPhone"	2530
2					"Blackberry Curve"	2530
3			large or urban		"Amazon Kindle"	428
4	>5	* Card Type = Affinity - Amazon			"Portable DVD Player"	440
5			large or urban		"Garmin Auto GPS"	440

FIG. 2B

300

	DML Expression	Usage (rule_id, row_id, col_id)
1	in0.avg_purchases >=25000	(1,1,1)
2	ColumnHeader24* >= 10	(1,1,2) (1,2,2)
3	in0.avg_purchases > 5 * (1000 - in0.avg_balance)	(1,2,1) (1,2,1)
4	ColumnHeader24 >= 6	(1,3,2) (1,4,2)
5	in0.avg_purchases >= 1	(1,4,1)
6	Award_Points >= 10	(2,1,1) (2,2,1) (2,3,1)
7	in0.card_type == "biz"	(2,1,2) (2,2,2)
8	bzt_3(in0).CENSUS2000POP) <=10000	(2,1,3) (2,2,3)
9	in0.card_type == "amzn"	(2,3,2)
10	sql_or(sql_and((bzt_3(in0).CENSUS2000POP>=60001), (bzt_3(in0).CENSUS2000POP<=100000)), (bzt_3(in0).CENSUS2000POP>=100001)))	(2,3,3) (2,4,3) (2,5,3)
11	Award_Points >5	(2,4,1) (2,5,1)
12	in0.card_type == "air"	(2,4,2) (2,5,2)

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FIG. 3A

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	DML Expression	Usage (rule_id, row_id, col_id)
13	Award_Points=in0.avg_balance / 50 + in0.avg_purchases / 250	(1,1,3),(1,2,3)
14	Award_Points=70	(1,3,3)
15	Award_Points=30	(1,4,3)
16	Award_Points=0	(1,5,3)
17	Products_Offered=vector_append(Products_Offered,"Apple iPhone");	(2,1,4)
18	Products_Offered=vector_append(Products_Offered,"Blackberry Curve");	(2,2,4)
19	Products_Offered=vector_append(Products_Offered,"Amazon Kindle");	(2,3,4)
20	Products_Offered=vector_append(Products_Offered,"Portable DVD Player");	(2,4,4)
21	Products_Offered=vector_append(Products_Offered,"Garmin Auto GPS");	(2,5,4)

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FIG. 3B

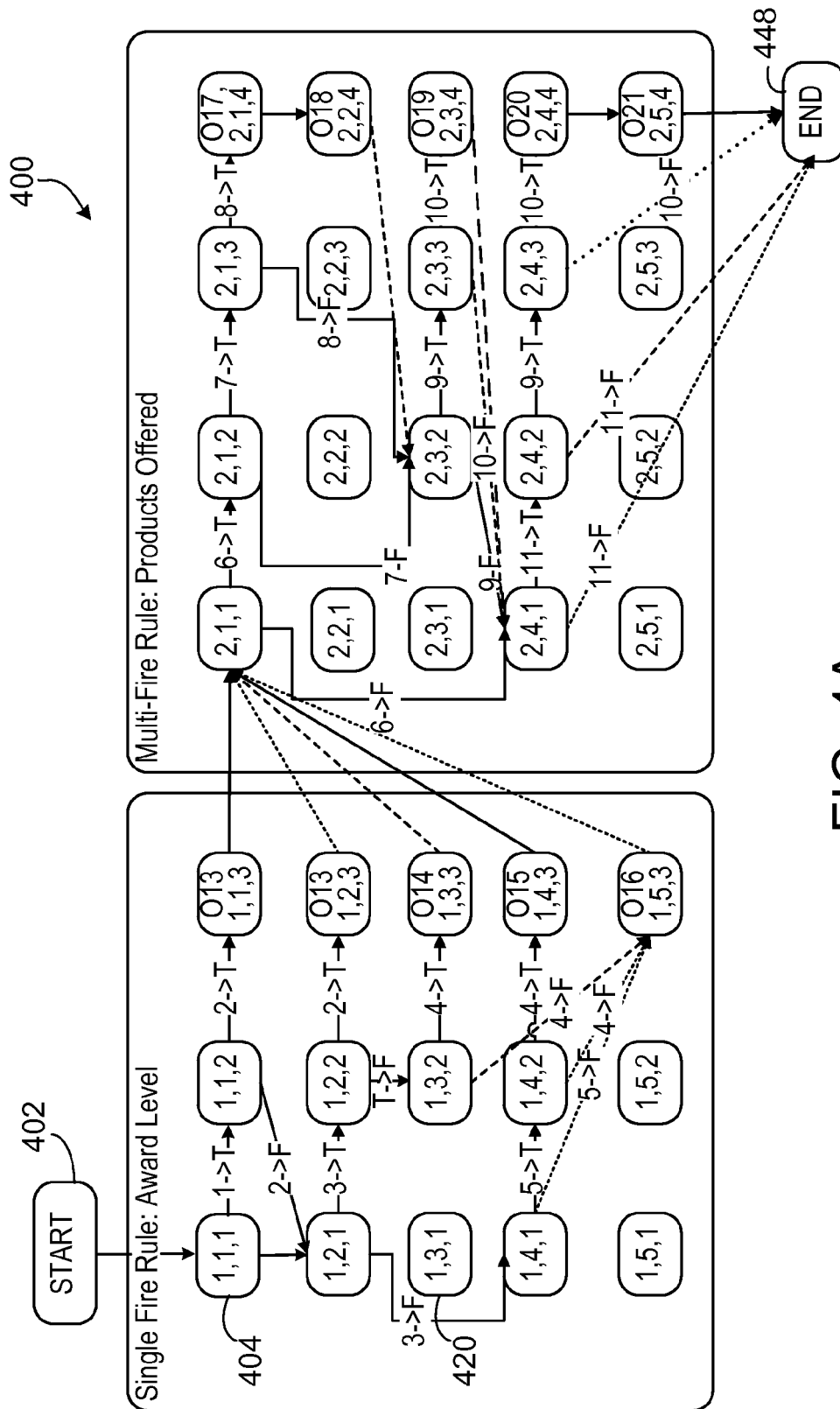


FIG. 4A

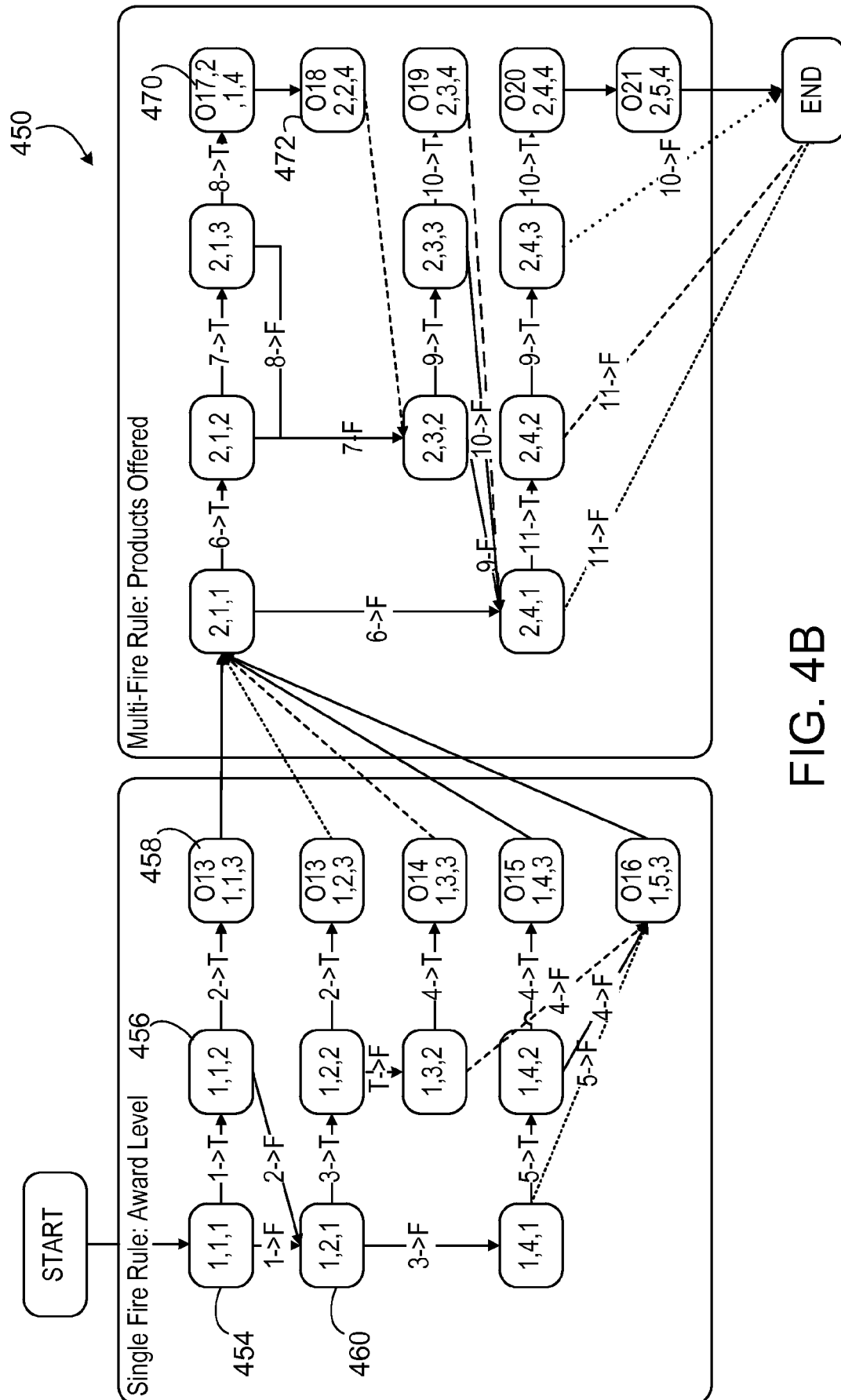


FIG. 4B

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Execution case	Triggers	Next execution case on success	Output to execute On success
ec1	Check 1 on fail goto ec2 Check 2 on fail goto ec2	ec6	13
ec2	Check 3 on fail goto ec4 Check 2 on fail goto ec3	ec6	13
ec3	Check 4 on fail goto ec5	ec6	14
ec4	Check 5 on fail goto ec5 Check 4 on fail goto ec5	ec6	15
ec5		ec6	16
ec6	Check 6 on fail goto ec9 Check 7 on fail goto ec8 Check 8 on fail goto ec8	ec7	17
ec7		ec8	18
ec8	Check 9 on fail goto ec9 Check 10 on fail goto ec9	ec9	19
ec9	Check 11 on fail goto END Check 9 on fail goto END Check 10 on fail goto END	ec10	20
ec10		END	21

FIG. 5

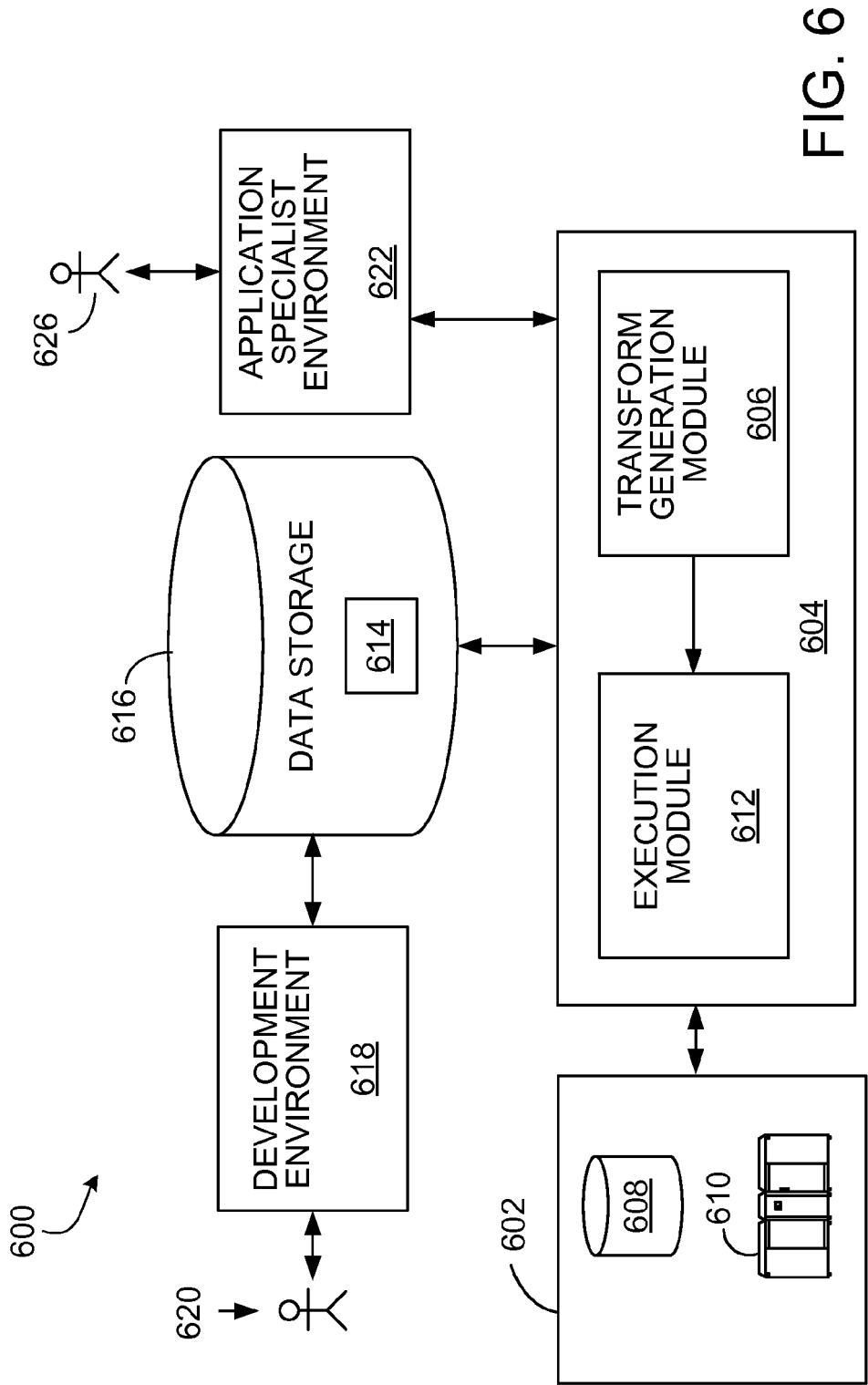


FIG. 6

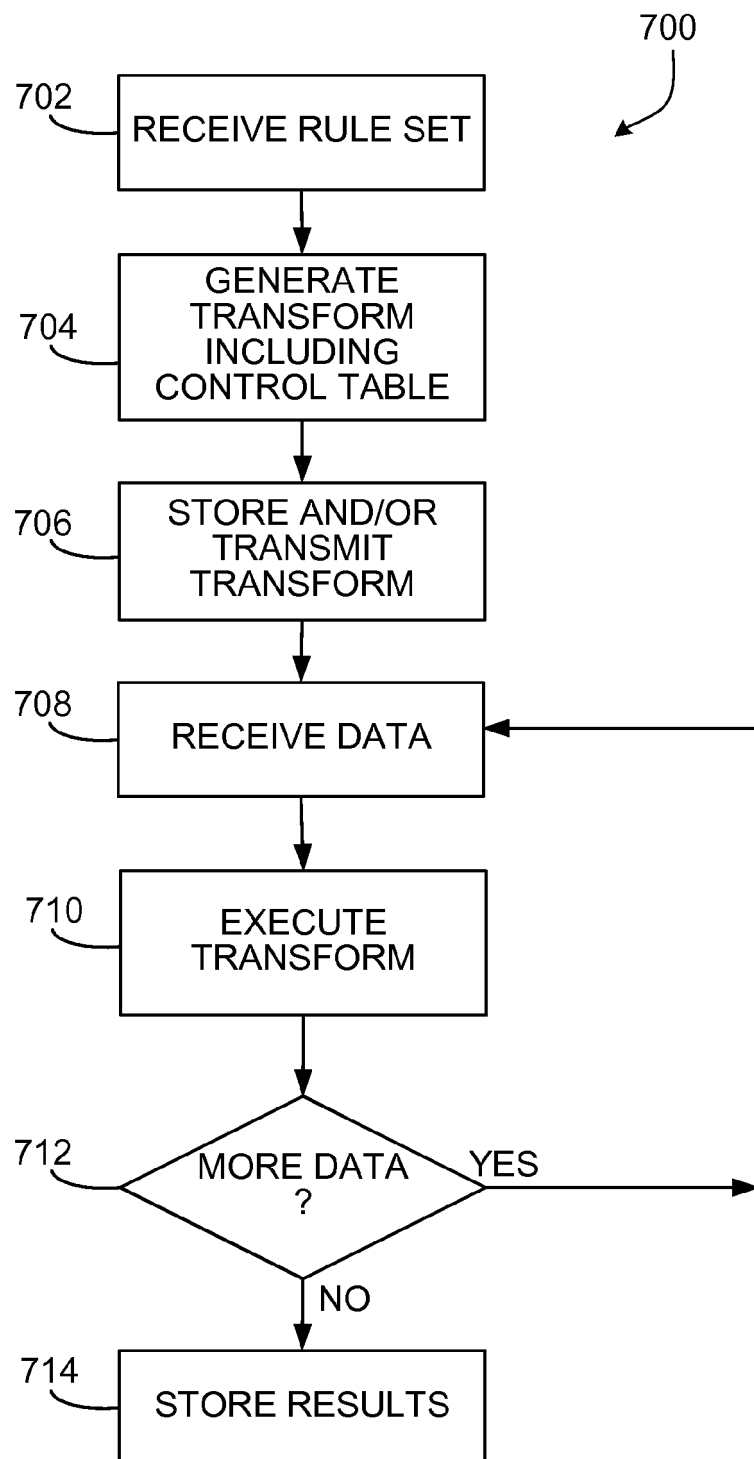


FIG. 7

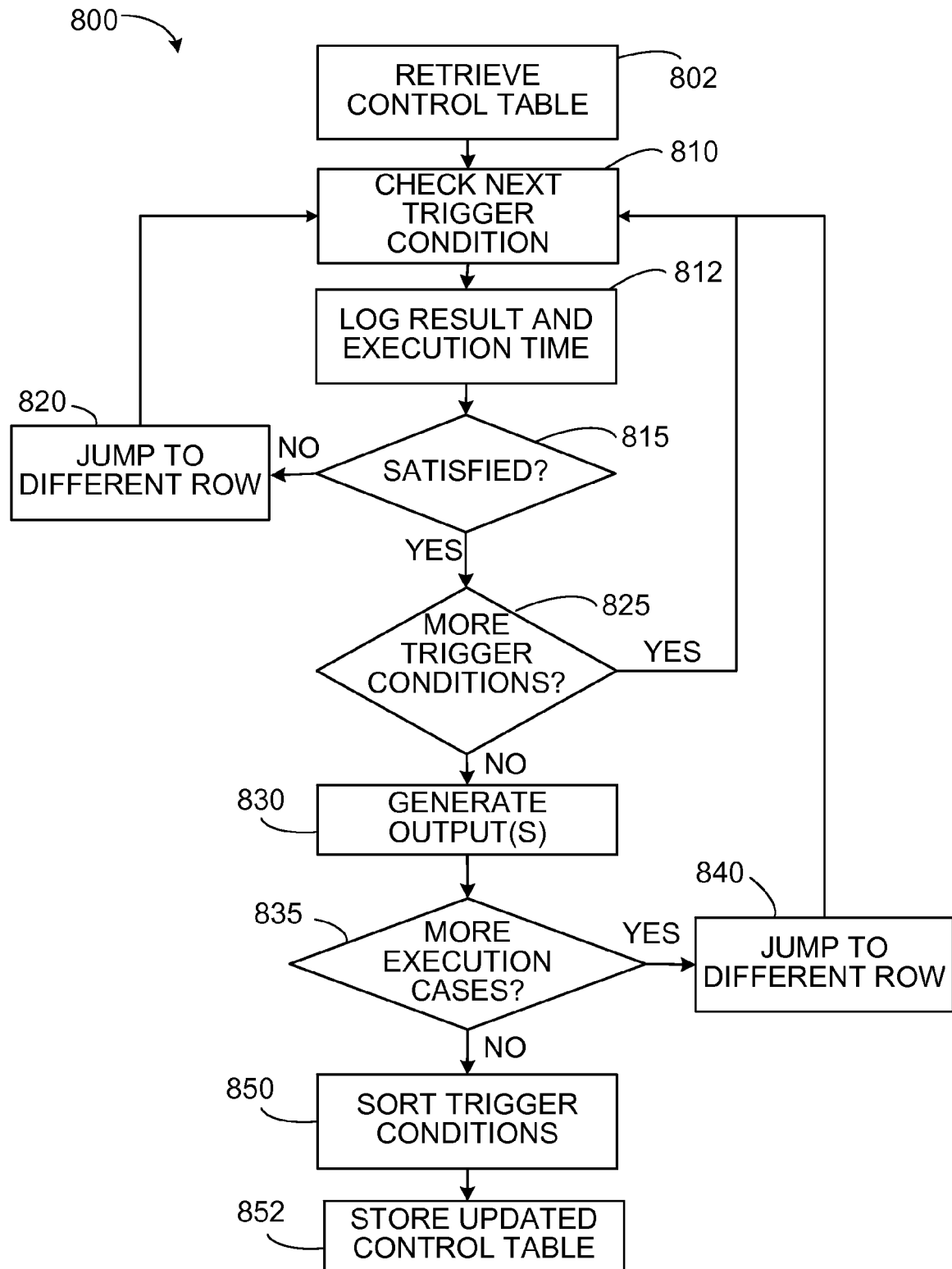


FIG. 8