

State	Ouputs			
	Ready	Dispense	Bill	ReturnTen
RESET	0	0	0	0
RDY	1	0	0	0
COLLECT	0	0	1	0
RETEN	0	0	0	1
DISPENSE	0	1	0	0

Reset	State Transition Table		
	Total	PresentState	NextState
1		RESET	RDY
1	Total = 0	RDY	RDY
1	Total<0	RDY	COLLECT
1	Total<cost	COLLECT	COLLECT
1	Total==cost	COLLECT	DISPENSE
1	total==costplus	COLLECT	RETEN
1		RETEN	DISPENSE
1		DISPENSE	RDY
0		ANYSTATE	RESET

Total Calculation Table				
Reset	Ten	Twenty	Present Total	New Total
0	x	x	x	0
1	1	0	Total<cost	Total+10
1	0	1	Total<cost	Total+20
1	x	x	total>=cost	0