## STATE TRANSITION CONTROL TABLE

STATES														S12							819	
		00000	10000	00010	00011	00100	10100	00110	00111	01000	01001	01010	01011	01100	01101	01110	01111	10000	10001	10010	10011	
MUX 1 MI			×									0		-		0						
IUX 2 M	25		×					-	-									-		-		
MUX 2 MUX 3 MUX 4 MUX 5	88	×	0			0				0				0					-			
X 4 MUC	38	×	× 0		٥			0	-	-			0		0	-	-	-		-		
K 6 MUX 8	98	×	*		0	0		L			0				-	-					-	
						_					_				_		Ĺ		_			
MUX 7		×	×	٦			٦										0	×	*		Ĺ	
MUX 8	P1	-	×	0 0			0 0			0 0	-		-								-	
MUX 9		0	×	0 0			0 0			0	0		1 0			-					0	
	M	-	×	0		-				0	-		-			0					-	
MUX 10	OW L	-	×	0		0				0	0		-			0					0	
MUX 1		×	×					0										-		-		
_		×	×						0											-		
2 MUX 15	813	×	×					-										-				
3 MUX 14	814	×	×		0			-					0					-				
MUX 12 MUX 13 MUX 14 MUX 15 MUX 18 MUX 17	815	×	×		0			0					0		-			0				
5 MUX 1	316	×	×																			
16 MUX	217	0	×									-				-					-	
17 MEM	MR	-	×					-	0									-		0		
	NW	0	×					0	-									0		-		
≅	W	-	-	-		-			-				-	-		-	-			-	-	
DR	DW	×	×					-										-				
	RF A1	×	×																			
REGISTER FILE	RF A2	×	×																			
FLE	RF A3	×	×																			
-	RW	×	×		-			-					_		-			-				
ResA F	AW	×	-	-		-	-			-				-						-		
ResB R	BW C	×	-	-					-	-						-		-		-		
ResC	cw C	× ×	×	-			-	-				-				-					-	
ALU	C Z	×	× ×																			
<u>ا</u>		-	×																			