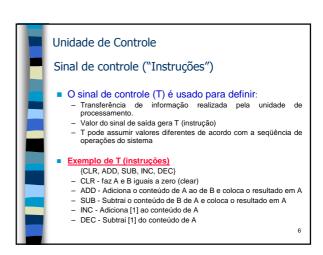
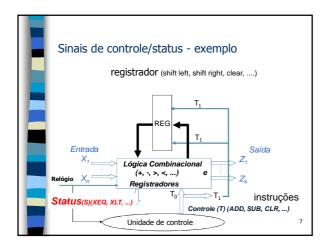
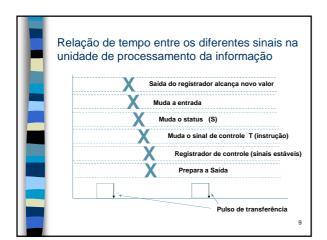


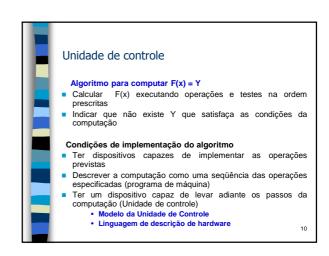
Unidade de Controle - status • É um sinal de entrada que informa a FSM alguma condição de O Status permite alterar a sequência de computação $S_i := X_i (X_1, \dots, X_n)$, X_k , Q₁ , O sinal de status não é função de T O sinal de status S só alcança um estado permanente depois que a entrada X alcançar um estado permanente. A unidade de controle pode usar o valor corrente de S na determinação do valor corrente do sinal de controle T. O sinal de transferência, descida ou subida do relógio, é aplicado apenas quando a unidade de controle teve tempo suficiente para gerar o sinal de controle T, após a recepção do valor corrente de S. Exemplo de sinais de Status O sinal de status pertence ao conjunto {XGT, XEQ, XNEQ, XGEQ, XLT} X maior que [0] X igual a [0] X diferente de [0] Onde XEQ XNEQ



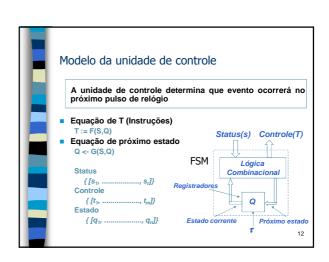




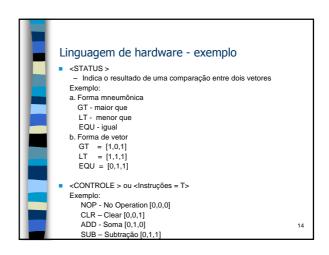


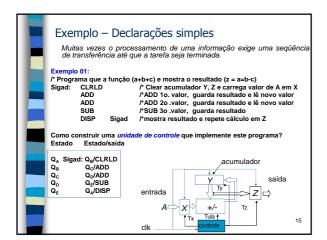


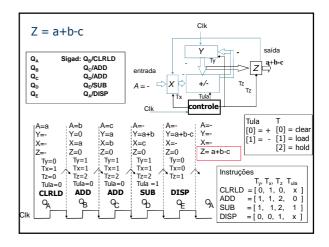


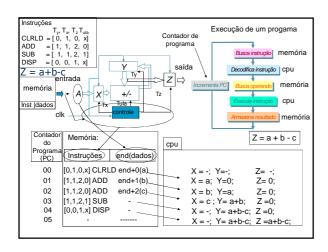


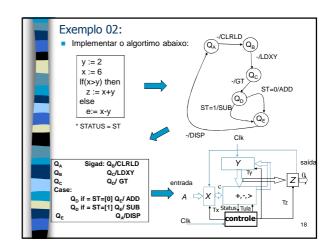


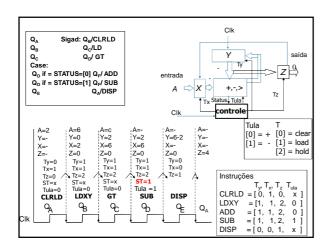


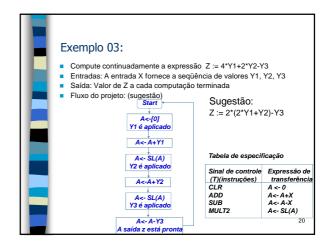


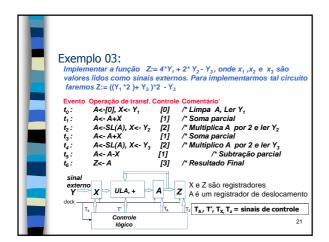


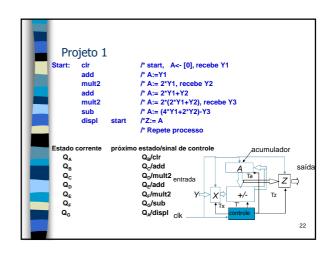


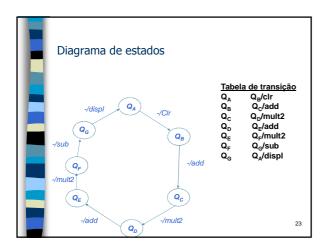


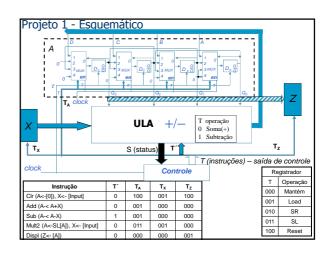


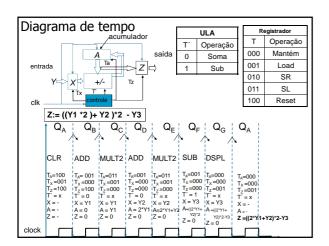












Imple	ementa	ção d	lo co	ntrol	e instruções				
Estado presente	Próximo estado	FF1	FF 2	FF 3	T _A	T _X	Tz	T'	
y ₂ y ₁ y ₀	y _{2+t} y _{1+t} y _{0+t}	J ₂ K ₂	J ₁ K ₁	$J_0 K_0$	T_2 T_1 T_0	T ₂ T ₁ T ₀	T ₂ T ₁ T ₀	T′	Inst
0 0 0	0 0 1	0 X	0 X	1 X	1 0 0	0 0 1	1 0 0	Х	CLR
0 0 1	0 1 0	0 X	1 X	X 1	0 0 1	0 0 0	0 0 0	0	ADD
0 1 0	0 1 1	0 X	X 0	1 X	0 1 1	0 0 1	0 0 0	Х	MULT2
0 1 1	1 0 0	1 X	X 1	X 1	0 0 1	000	0 0 0	0	ADD
1 0 0	1 0 1	0 X	0 X	1 X	0 1 1	0 0 1	0 0 0	Х	MULT2
1 0 1	1 1 0	X 0	1 X	X 1	0 0 1	000	0 0 0	1	SUB
1 1 0	0 0 0	X 1	X 1	0 X	0 0 0	0 0 0	0 0 1	Х	DSPL
XXX	XXX	ХX	хх	хх	XXX	XXX	XXX	х	х

