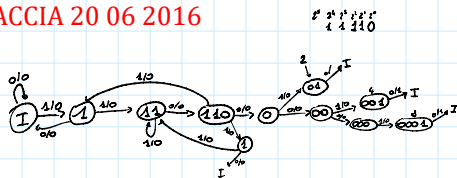


TRACCIA 20 06 2016



ESERCIZIO 2

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IRX → IND1, 0 → AC;           μ1
IND1 → MAR, INC(IND1) → IND1; μ2
M[MAR] → MBR, IND1 → B;      μ3
MBR → T1;                     μ4
SHR(T1) → T1;                 μ5
T1 → A;                       μ6
A+B → IND2;                   μ7
if OR(T1)=1 then
  IND2 → MAR;                 μ8
  M[MAR] → MBR, IND1 → MAR; μ9
  MBR → A, M[MAR] → MBR;     μ10
  MBR → B;                   μ11
  A-B → T2;                  μ12
  if T2_31=1 then
    A+B → MBR, INC(AC) → AC; μ13
  else
    0 → MBR;                 μ14
  end
  MBR → M[MAR], DEC(T1) → T1, go to c; μ15
else
  0;                          μ0
end

```

μ	A _{IR}	Z _{IR}	A _{PC}	K _{PC}	A _{AC}	A _{MAR}	A _{MBR}	S	L	E	A _A	A _B	A _{L0}	A _{L1}	A _{L2}	A _{T1}	K ^o _{T1}	K ¹ _{T1}	A _{T2}	K ^o _{T2}	K ¹ _{T2}	A _{T3}	K ^o _{T3}	K ¹ _{T3}	K _{MAR}	A _{IND}	K _{IND}	K _{PC}	A _{MBR}	K _{IND}	Bus Indirizzi		Bus Dati	
																															X ₂ X ₁ X ₀	Y ₁ Y ₁ Y ₀	X ₂ X ₀ X ₀	Y ₃ Y ₂ Y ₁ Y ₀
μ1	0	-	0	-	1	0	0	0	0	-	0	0	-	-	-	0	-	-	0	-	-	0	-	-	-	1	0	1	0	-	001	011		
μ2	0	-	0	-	0	1	0	0	0	-	0	0	-	-	-	0	-	-	0	-	-	0	-	-	0	1	1	-	0	-	011	001		
μ3	0	-	0	-	0	0	1	0	1	1	0	1	-	-	-	0	-	-	0	-	-	0	-	-	-	0	-	-	0	-	011	000	000	0110
μ4	0	-	0	-	0	0	0	0	0	-	0	0	-	-	-	1	0	0	0	-	-	0	-	-	-	0	-	-	0	-			001	0111
μ5	0	-	0	-	0	0	0	0	0	-	0	0	-	-	-	1	1	1	0	-	-	0	-	-	-	0	-	-	0	-				
μ6	0	-	0	-	0	0	0	0	0	-	0	0	-	-	-	0	-	-	0	-	-	0	-	-	-	0	-	-	1	0			101	0101
μ7	0	-	0	-	0	0	0	0	0	-	0	0	1	0	0	0	-	-	0	-	-	0	-	-	-	0	-	-	1	0	000	100	100	0000
μ8	0	-	0	-	0	1	0	0	0	-	0	0	-	-	-	0	-	-	0	-	-	0	-	-	0	0	-	-	0	-	100	001		
μ9	0	-	0	-	0	0	1	0	1	-	0	0	-	-	-	0	-	-	0	-	-	0	-	-	-	0	-	-	0	-	011	001		
μ10	0	-	0	-	0	0	1	0	1	-	1	0	-	-	-	0	-	-	0	-	-	0	-	-	-	0	-	-	0	-			001	0101
μ11	0	-	0	-	0	0	0	0	0	-	0	1	-	-	-	0	-	-	0	-	-	0	-	-	-	0	-	-	0	-			001	0110
μ12	0	-	0	-	0	0	0	0	0	-	0	0	1	1	1	0	-	-	1	0	0	0	-	-	-	0	-	-	1	0			100	1000
μ13	0	-	0	-	1	0	1	0	0	-	0	0	1	0	0	0	-	-	0	-	-	0	-	-	-	0	-	-	1	0			100	0001
μ14																																		
μ15	0	-	0	-	0	1	0	1	0	-	0	0	-	-	-	1	0	1	0	-	-	0	-	-	-	0	-	-	0	-				