Structura si organizarea calculatoarelor

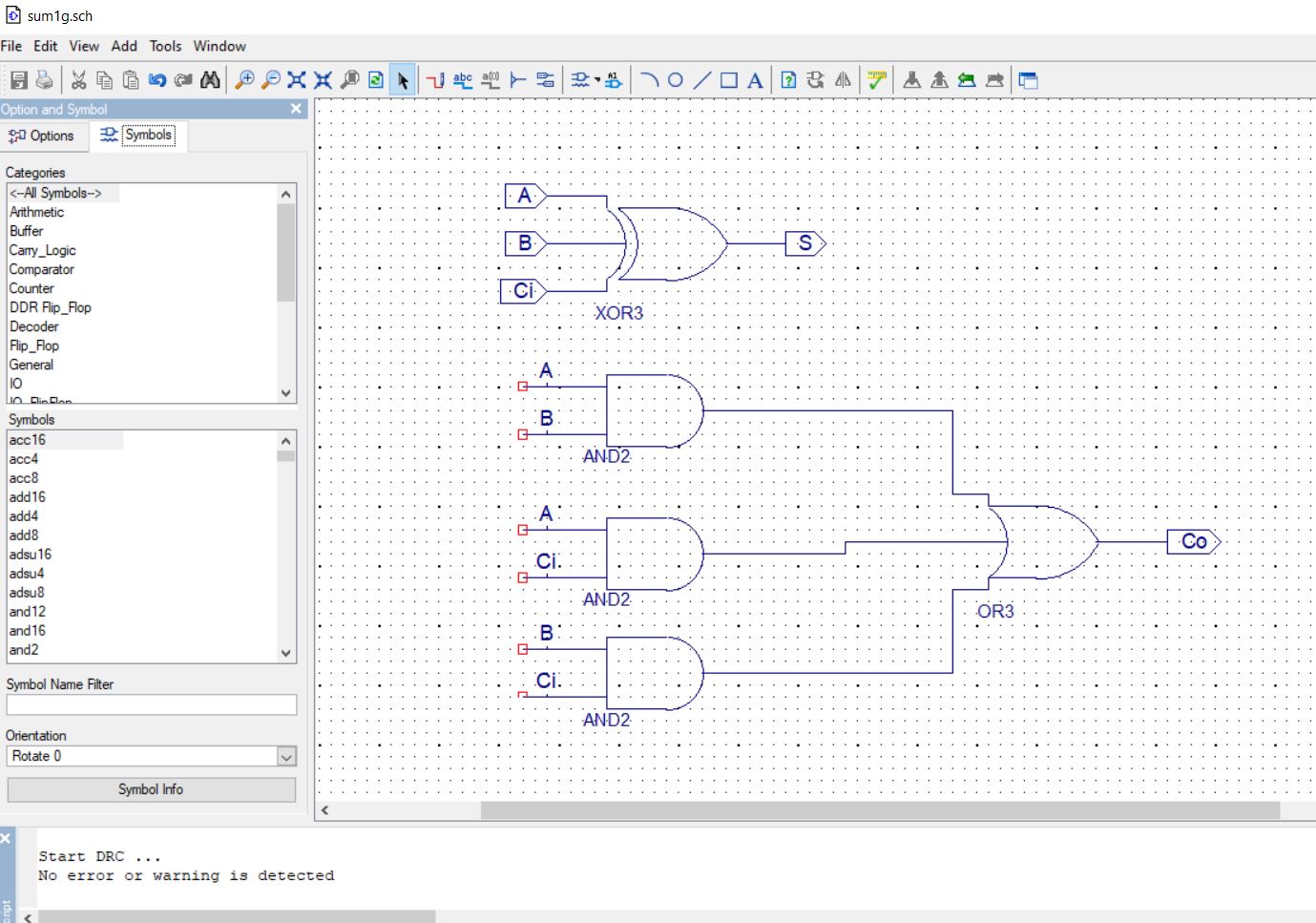
Laborator 1

Sumator pe 1 bit:

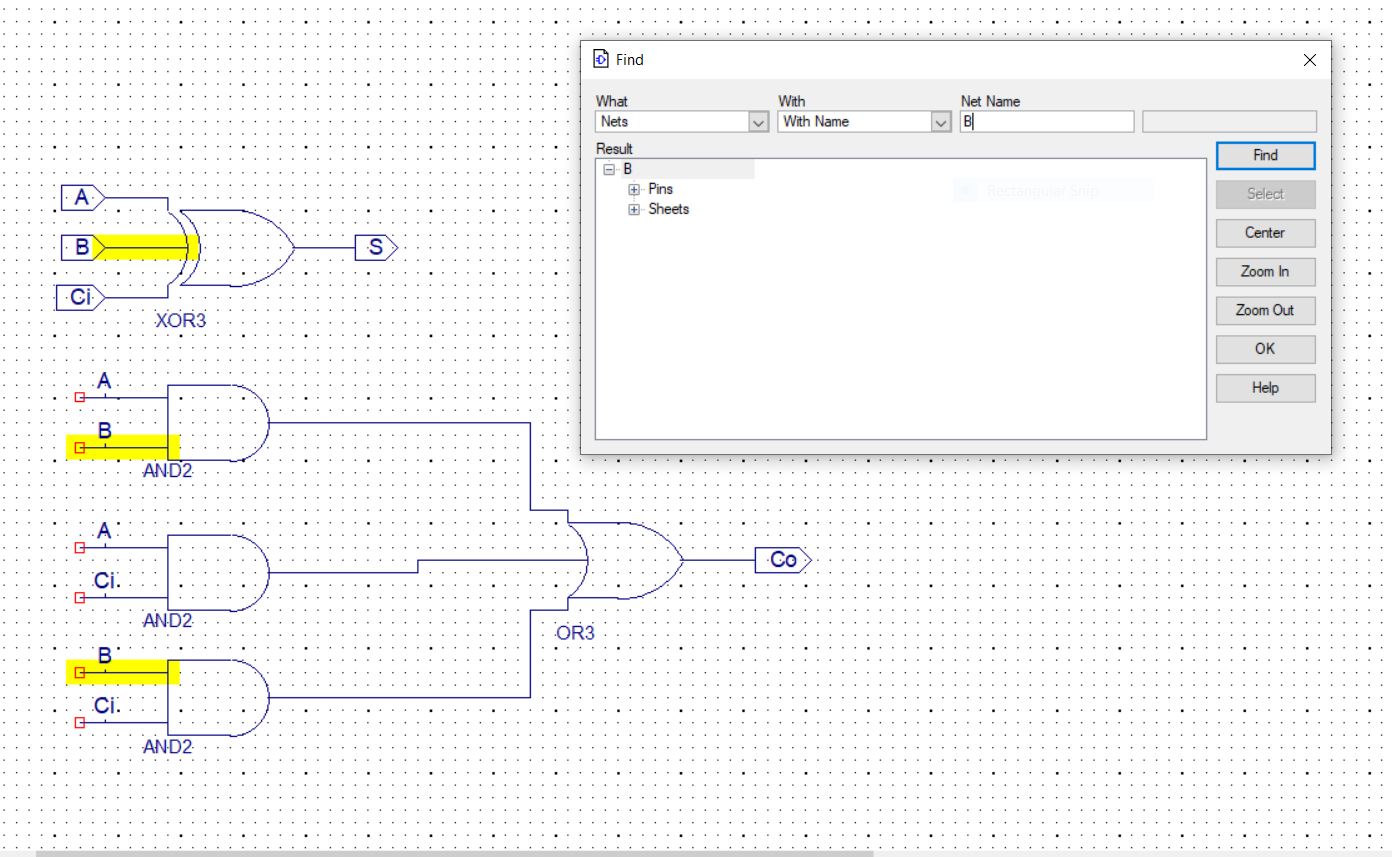


In Ise:

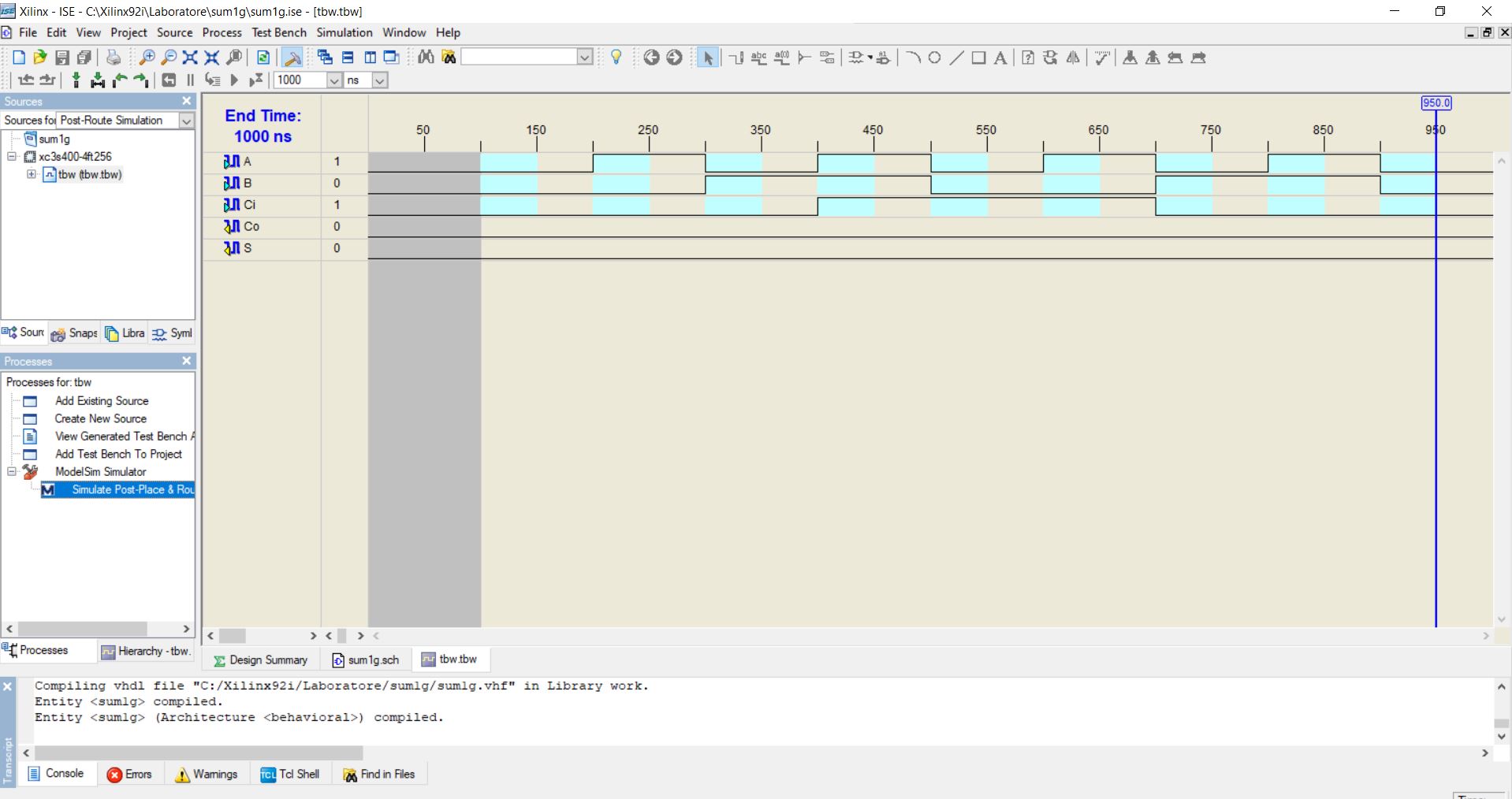
Aici avem trei AND2, un OR3 si un XOR3



Acum cu butonul find pot sa cauta “Nets”:



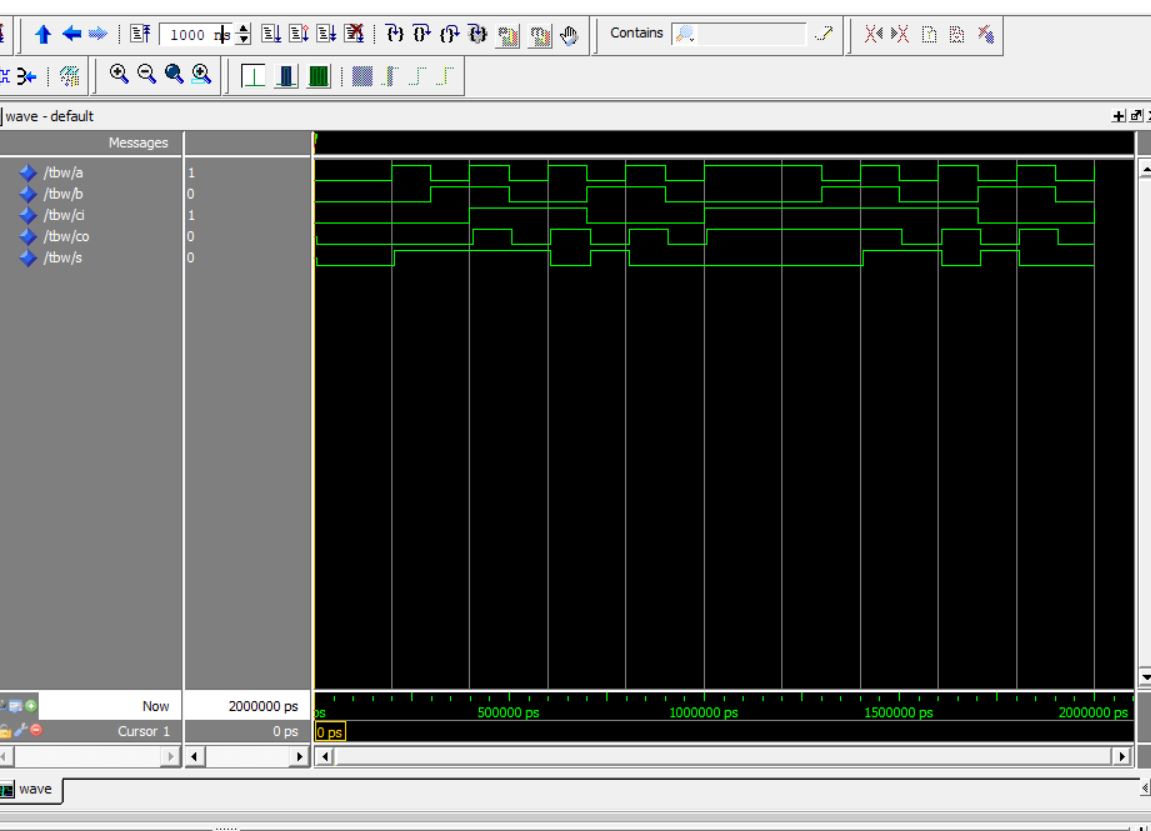
Acum la post-route simulation avem Test Bench Waveform:



Si acum in aplicatia Modelsim avem semnalele:

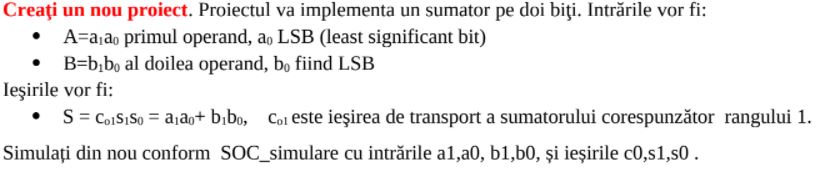
Semnalele de intrare: Ci, A și B

Semnalele de ieșire: Co și S.



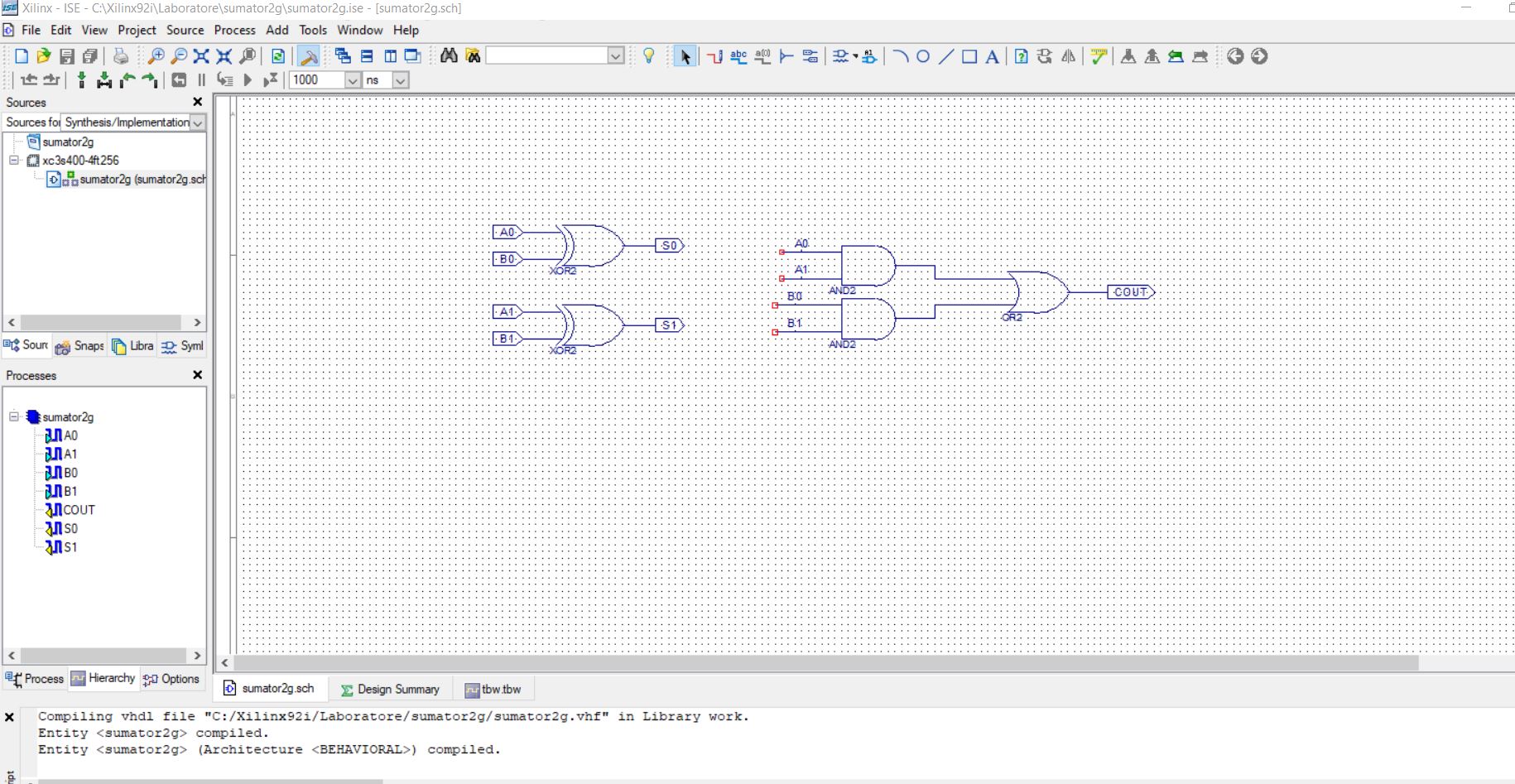
Sumator pe 2 biti:

Exercitiu:

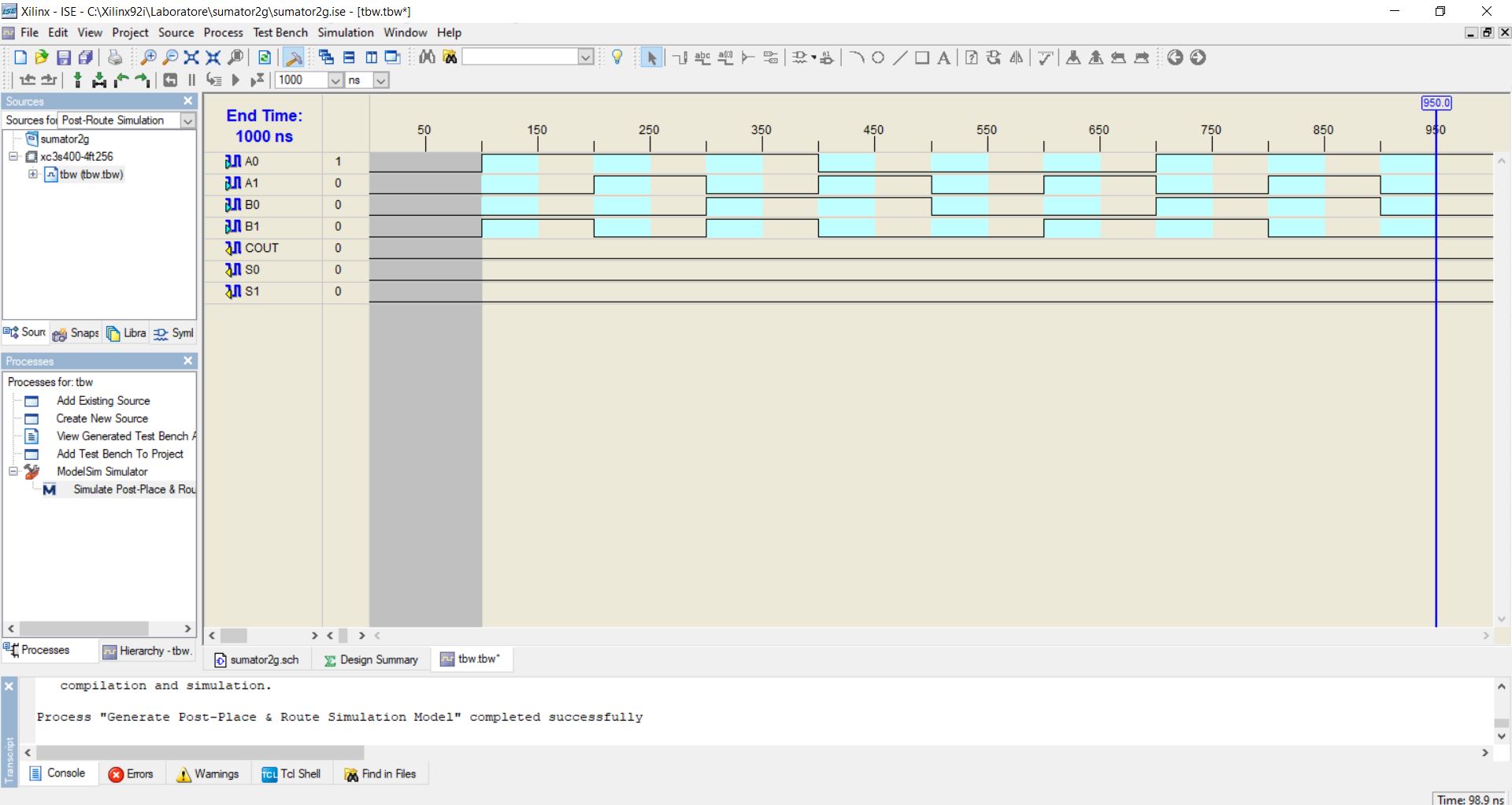


In ise:

Aici avem doi AND2, un OR2 si doi XOR2



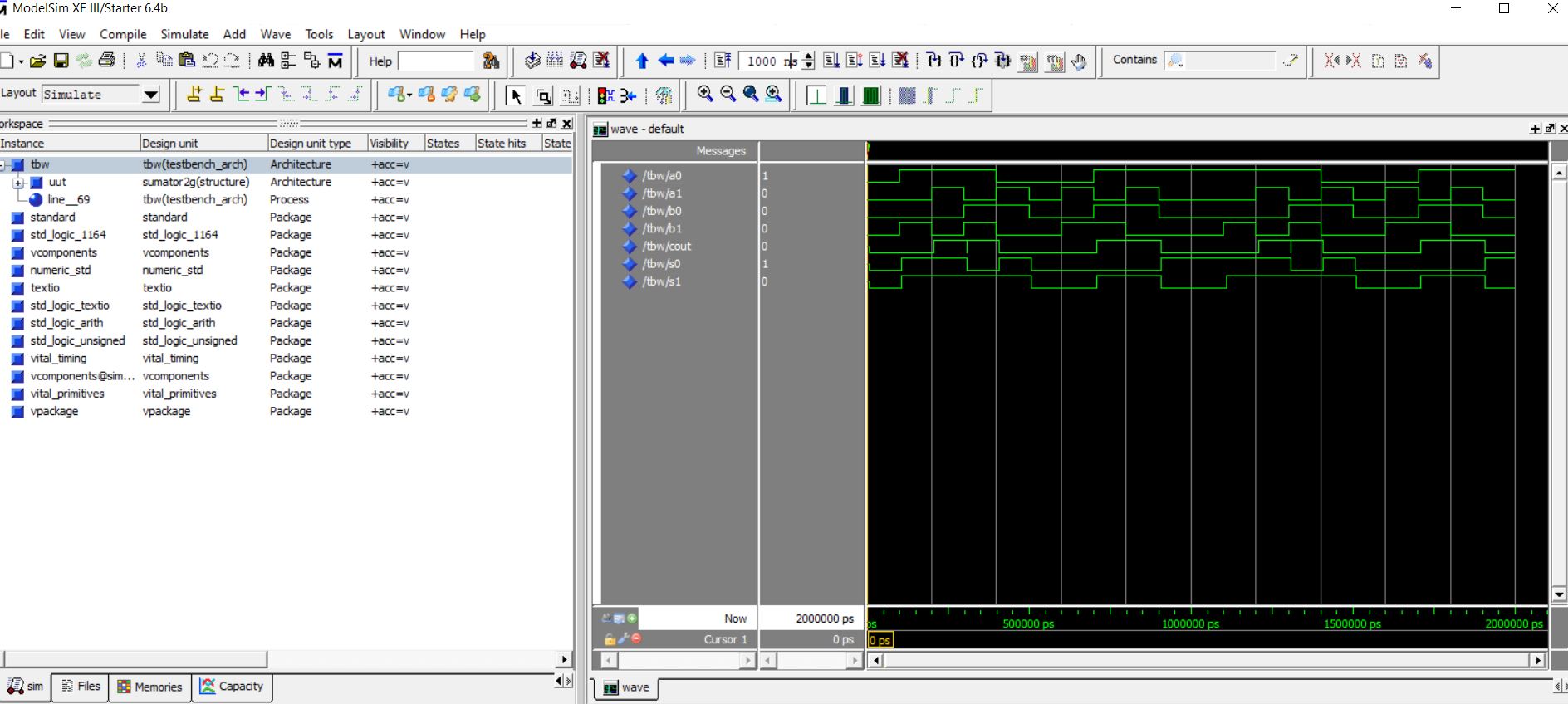
Acum la post-route simulation avem Test Bench Waveform:



Si acum la aplicatia Modelsim avem semnalele:

Semnalele de intrare: A1,A0,B1 si B0

Semnalele de ieșire: Cout și S1, S0.



Sorejevic Ana

CR2.3A

Data: 04.03.2022.