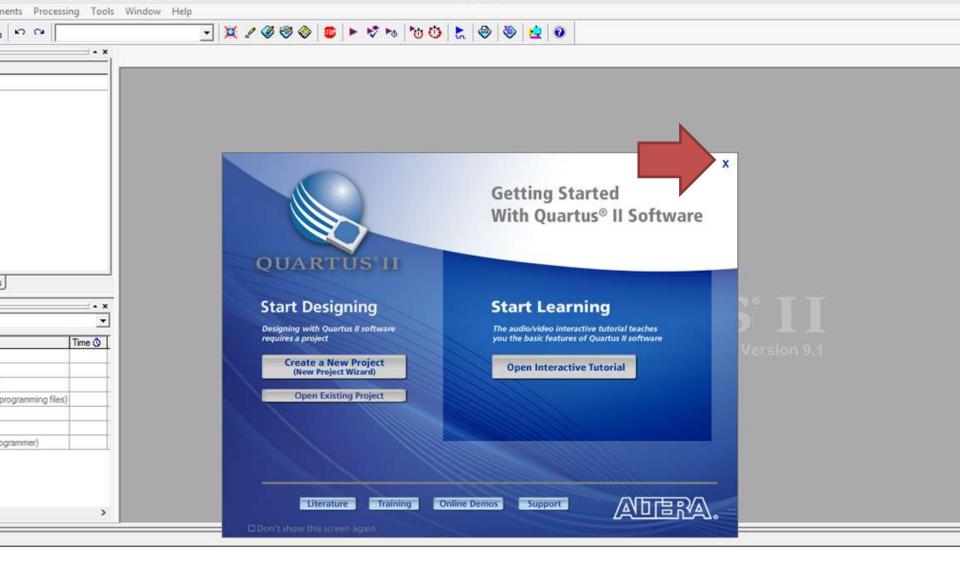
Quartus 9.1 sp2

Monitoria de Sistemas Digitais EC Aula 1 p1

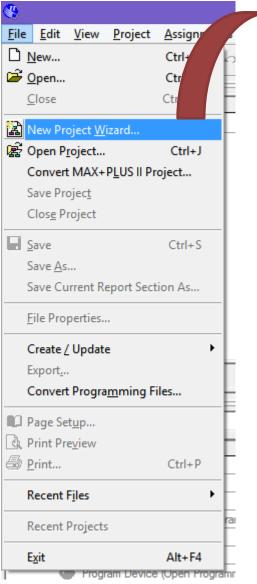
Quinta 08/05 17h às 19h

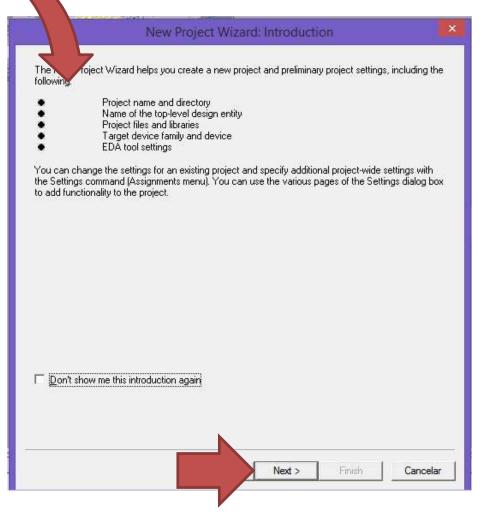


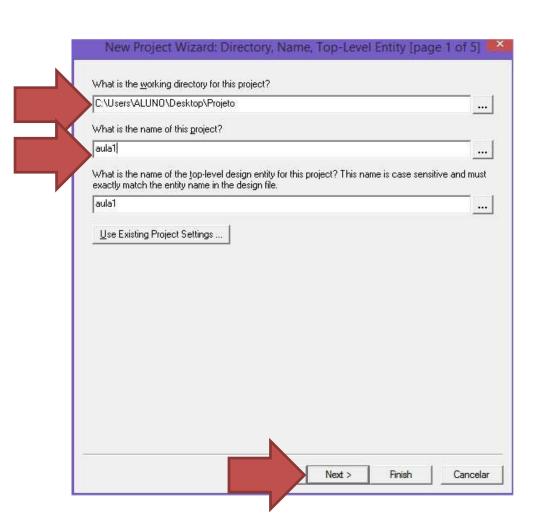
fo λ Info λ Warning λ Critical Warning λ Error λ Suppressed λ Flag /

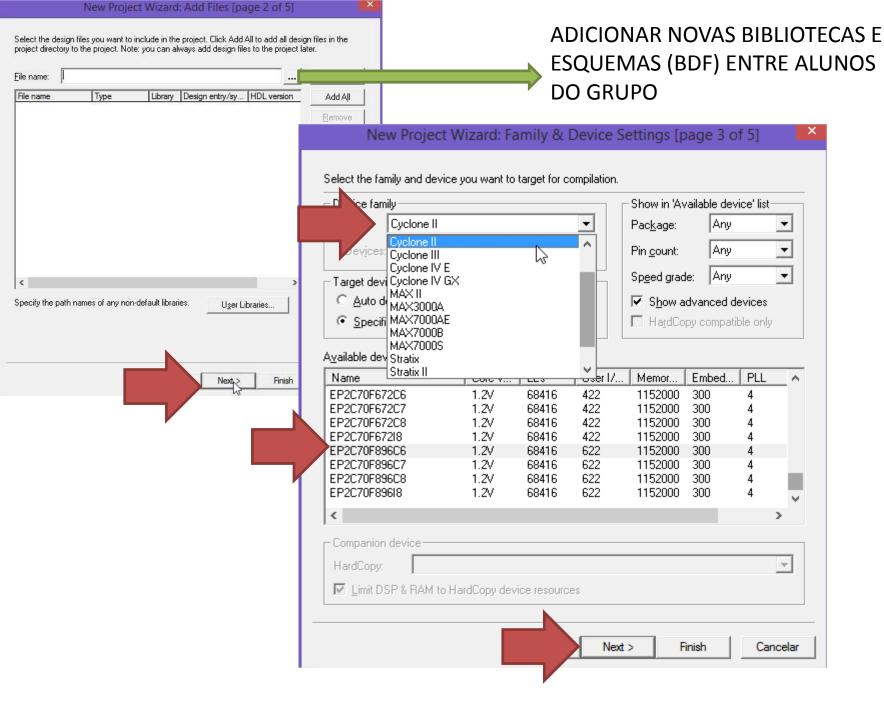
Location:

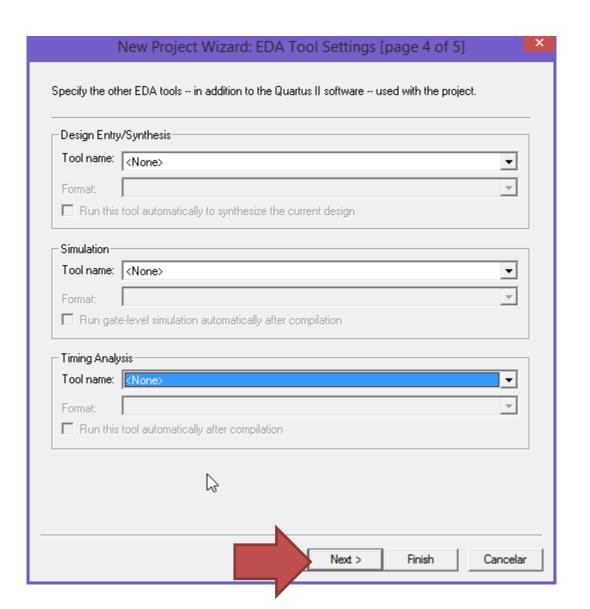
心中自中華

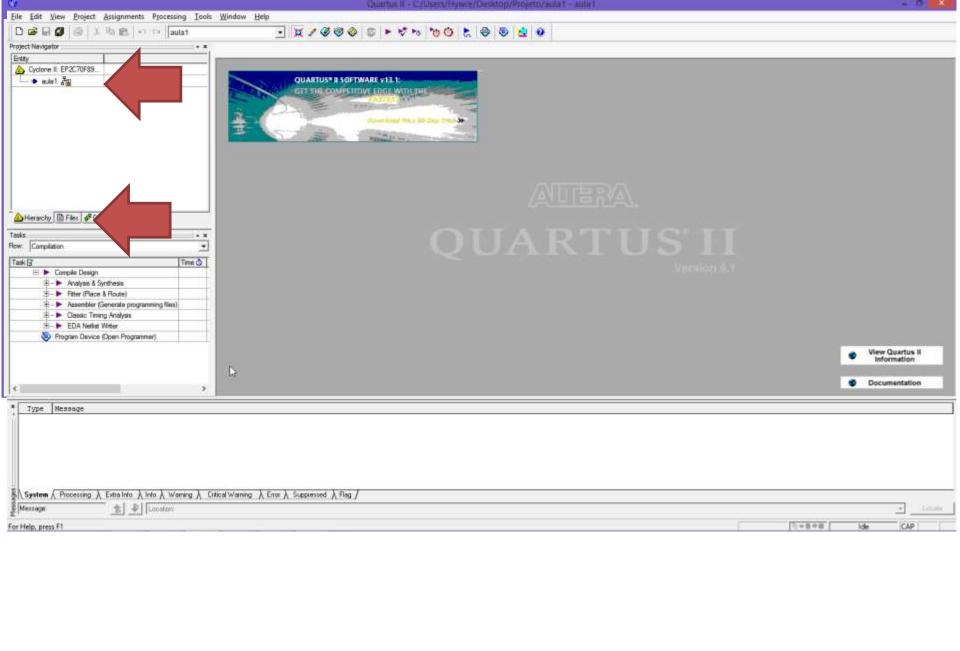


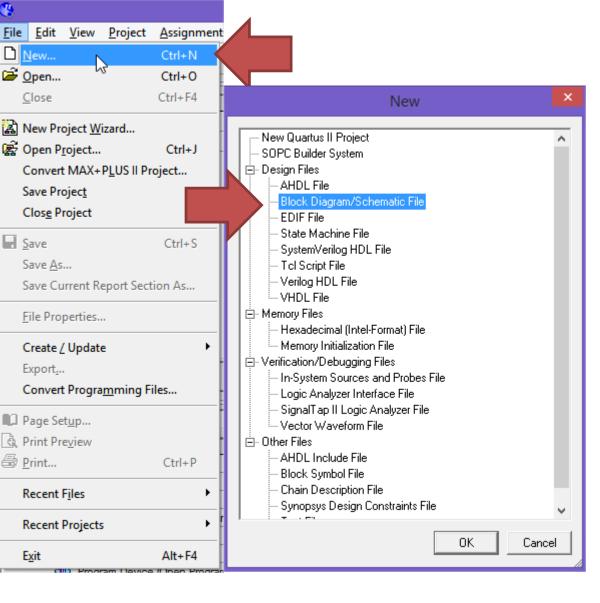


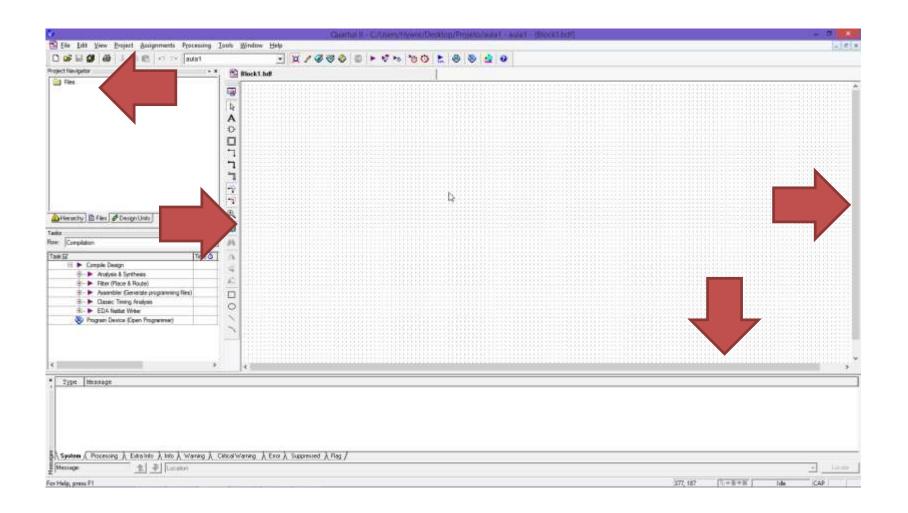


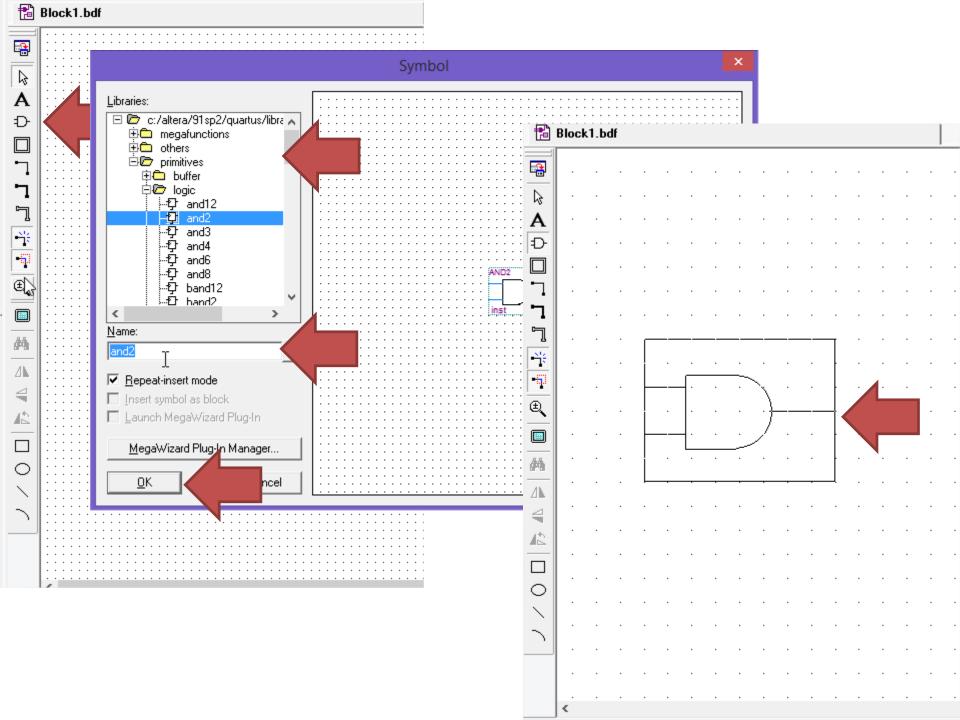


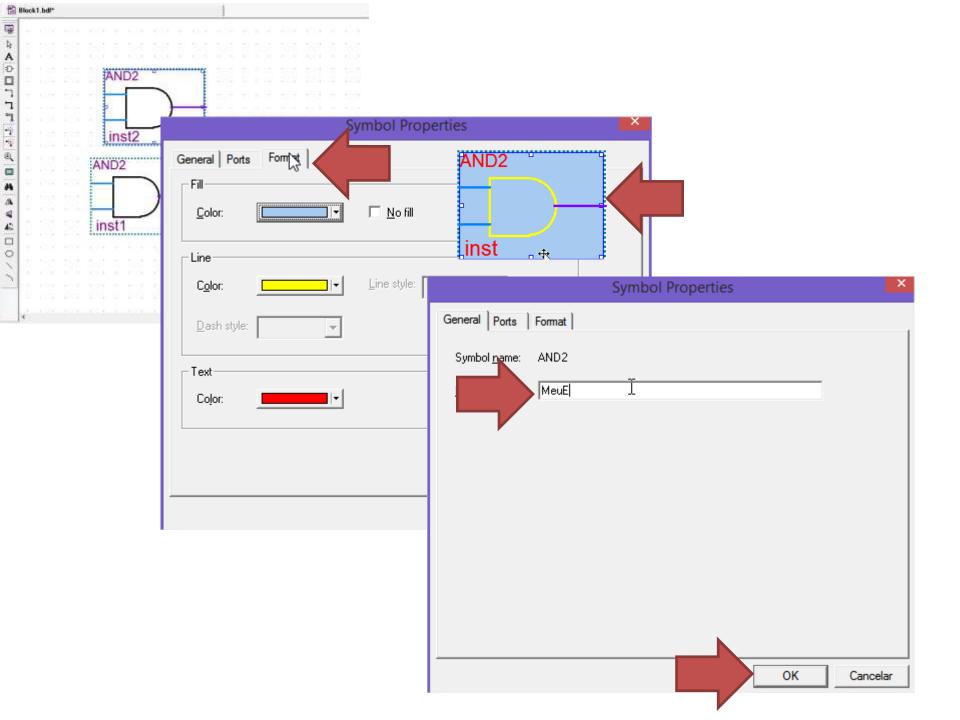


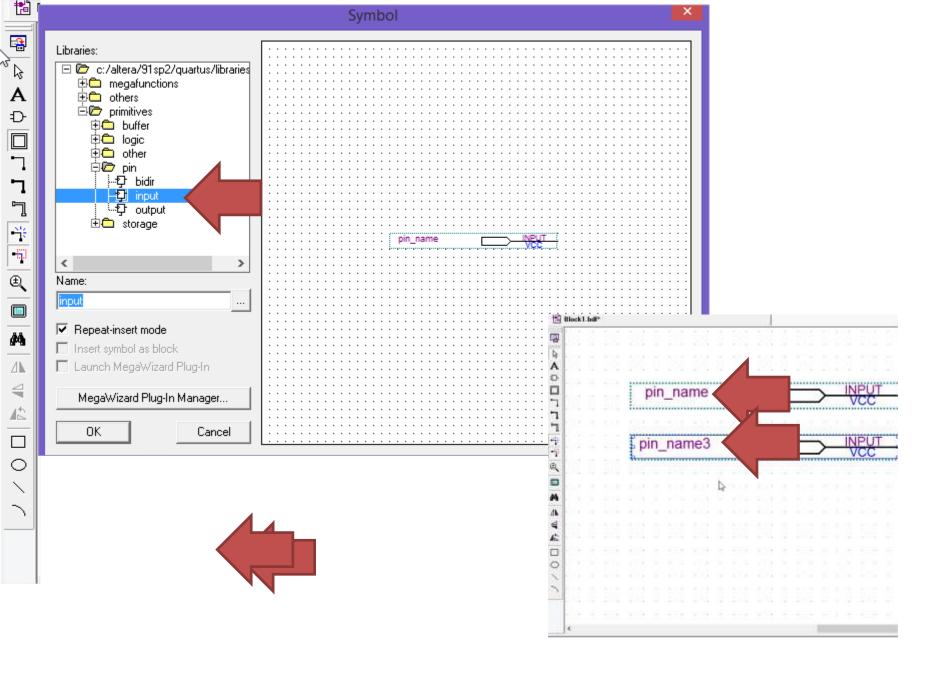


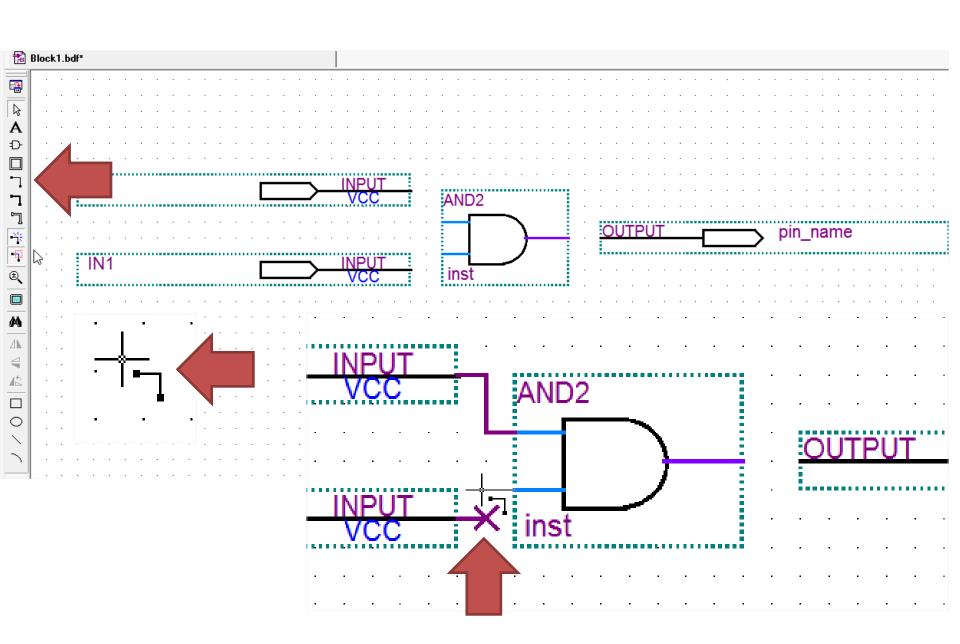


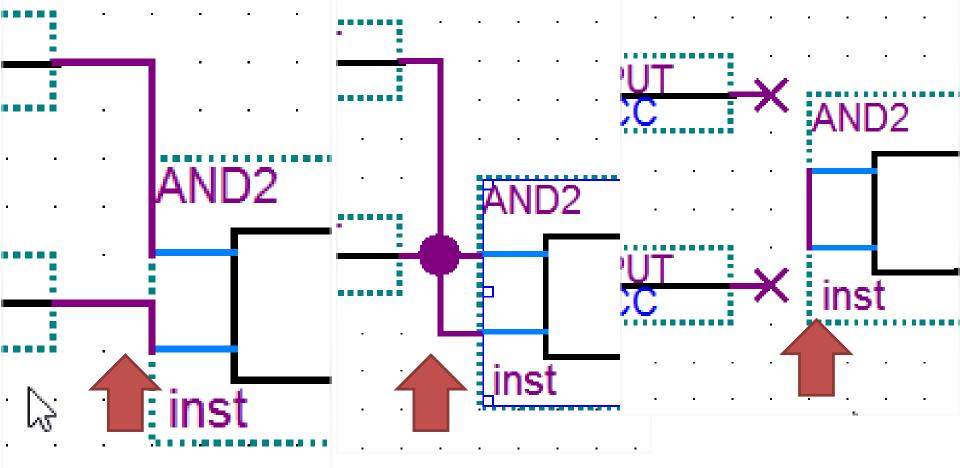


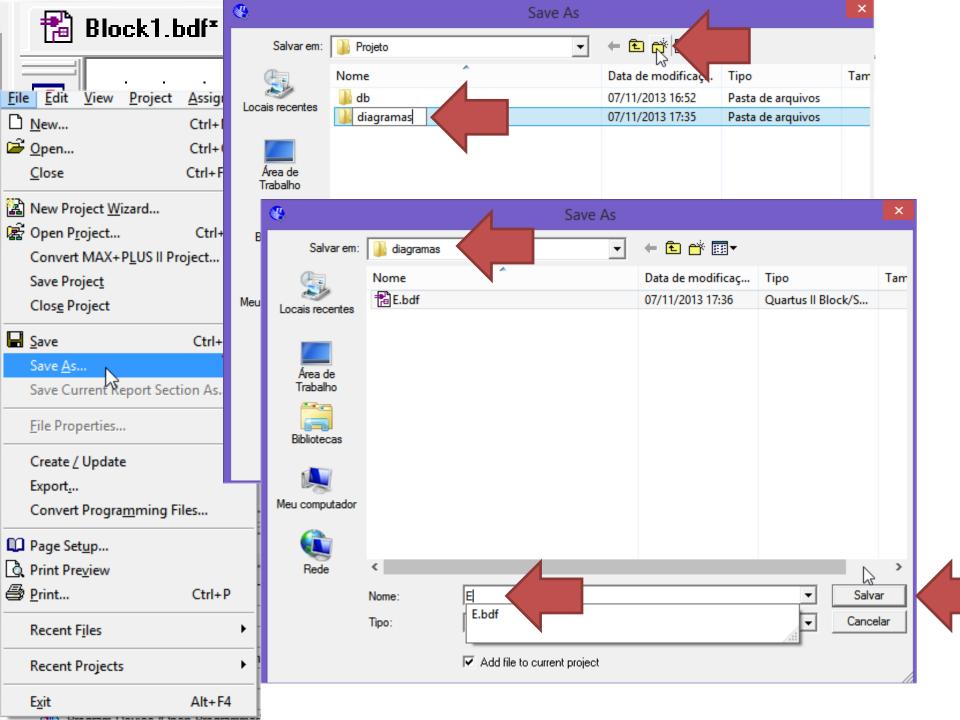


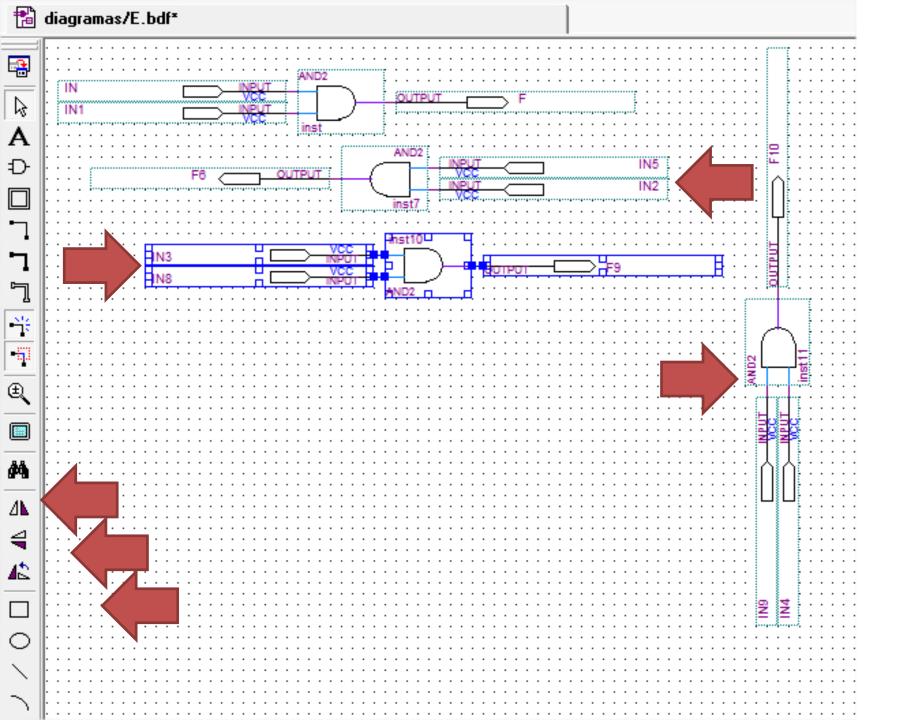












Perguntas?

Exercício 1

1. Construir os seguintes arquivos de blocos de diagramas e salvar no seu projeto:

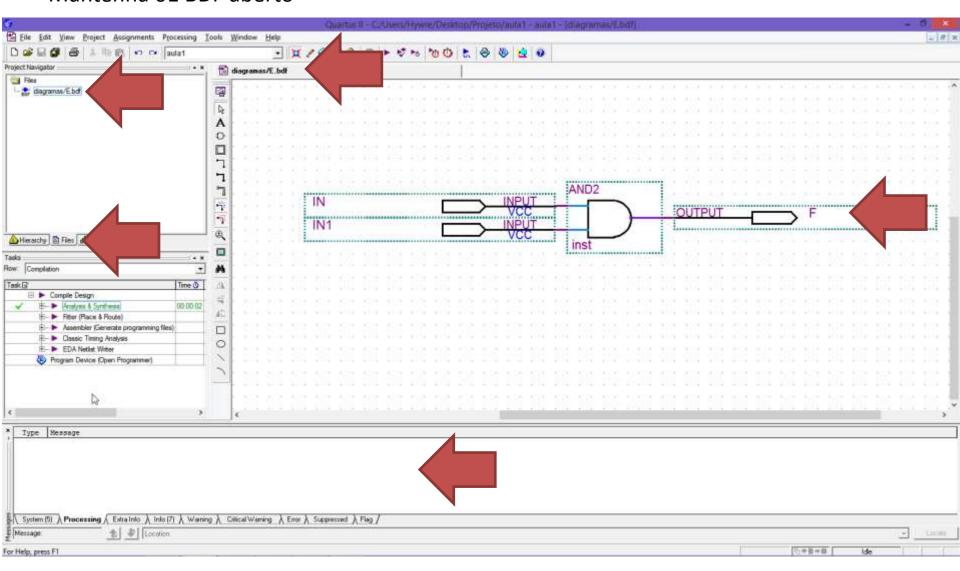
Quartus 9.1 sp2 Web Edition

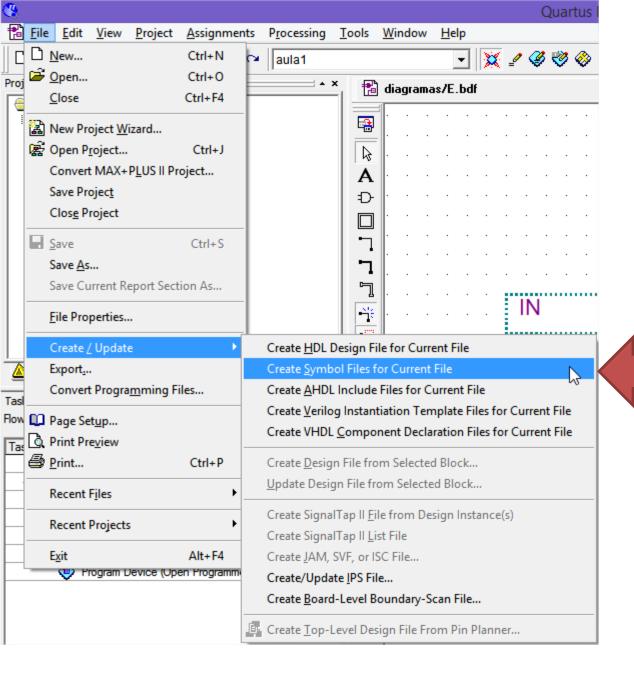
Monitoria de Sistemas Digitais EC

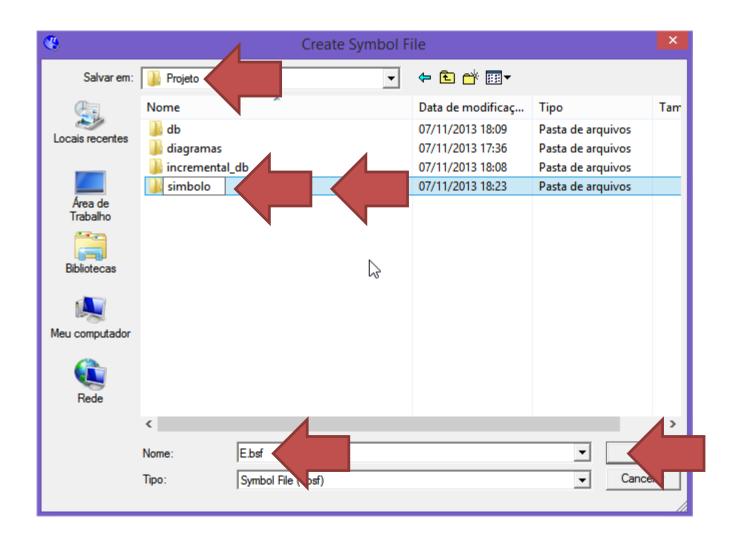
Aula 1 parte 2

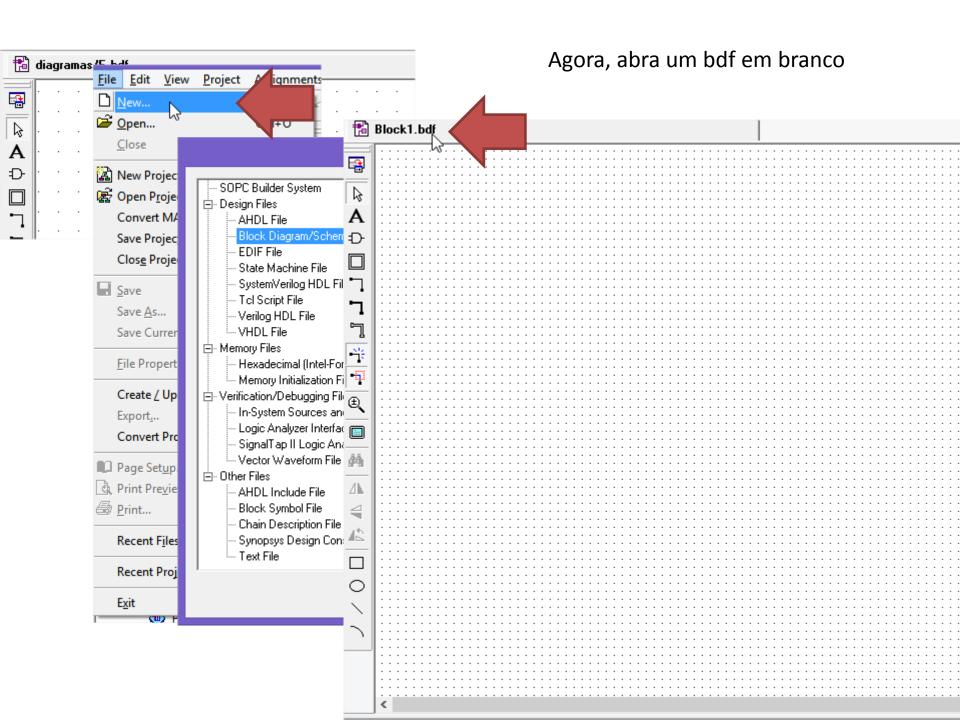
Sexta 08/11 10h às 11h

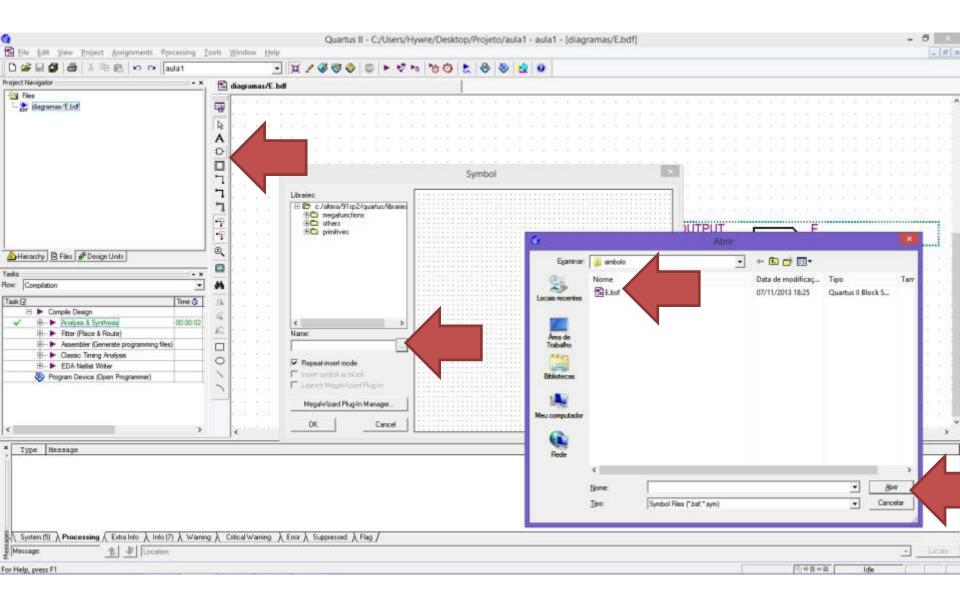
Mantenha 01 BDF aberto

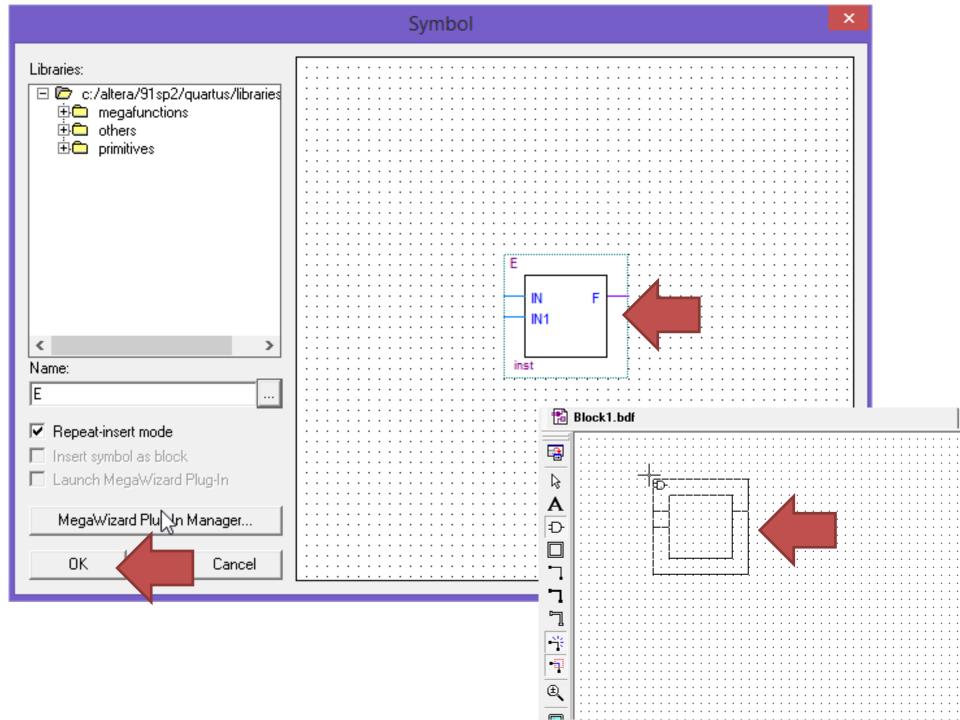


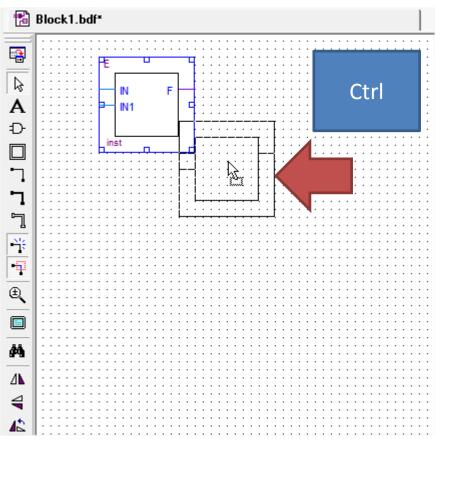


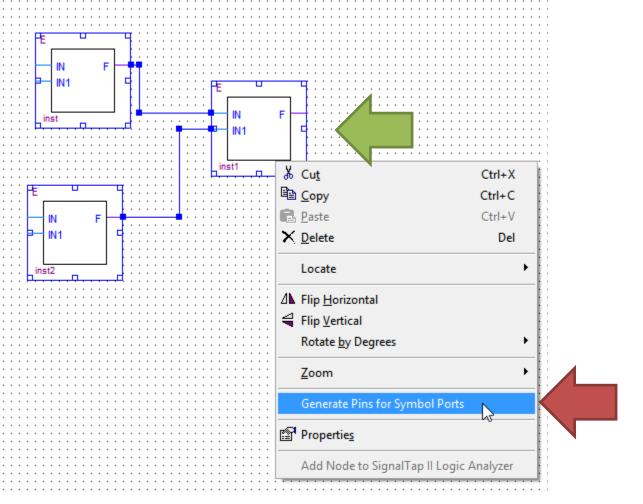


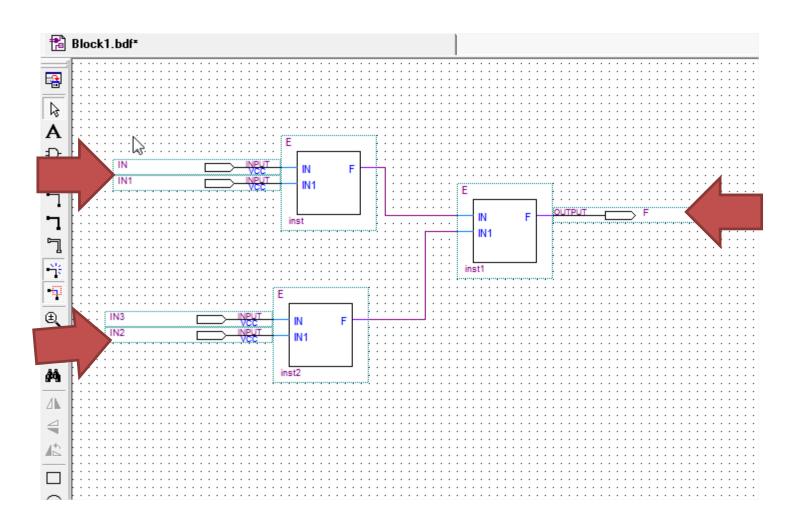


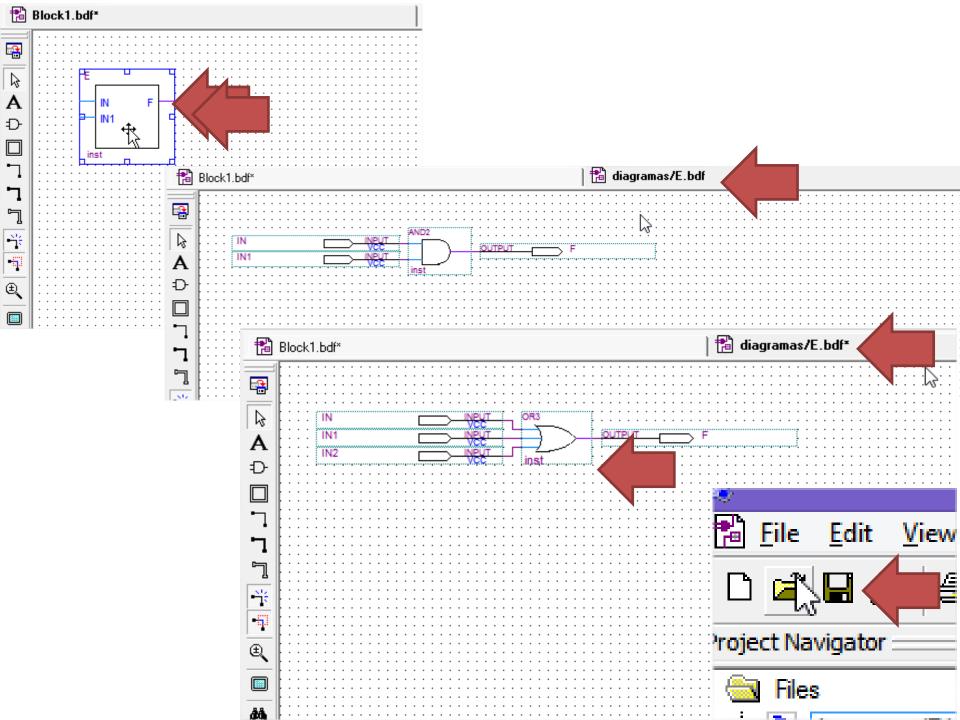


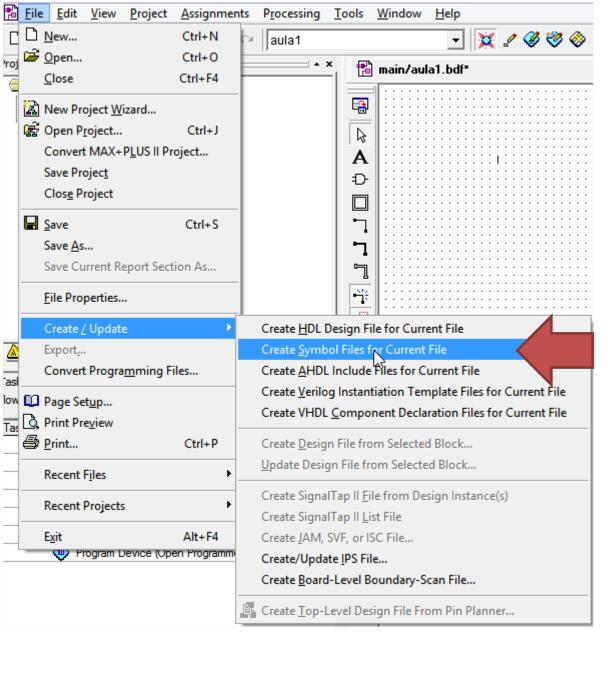


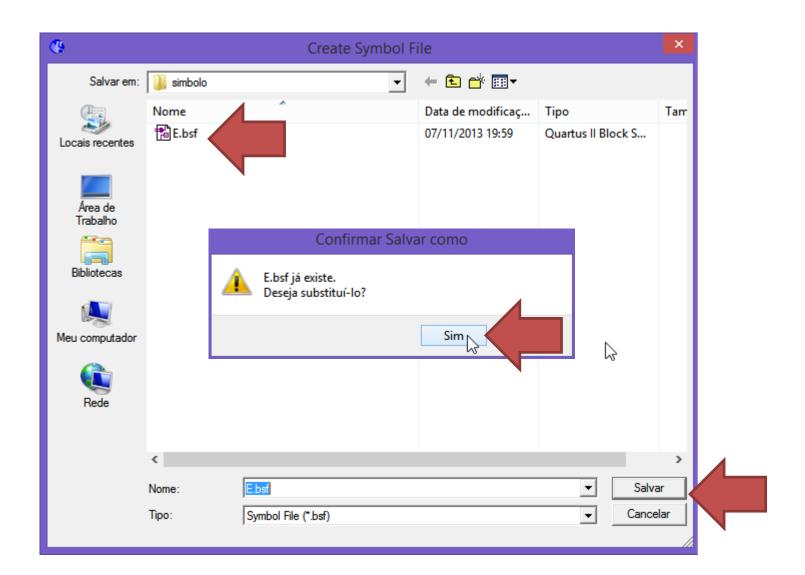


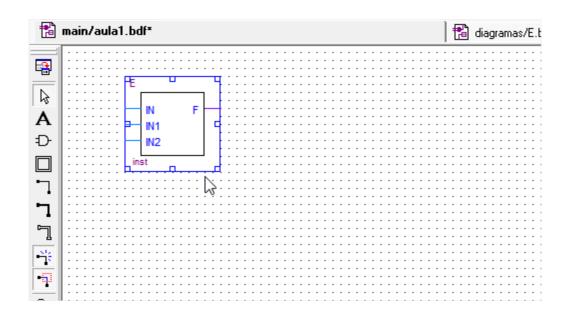




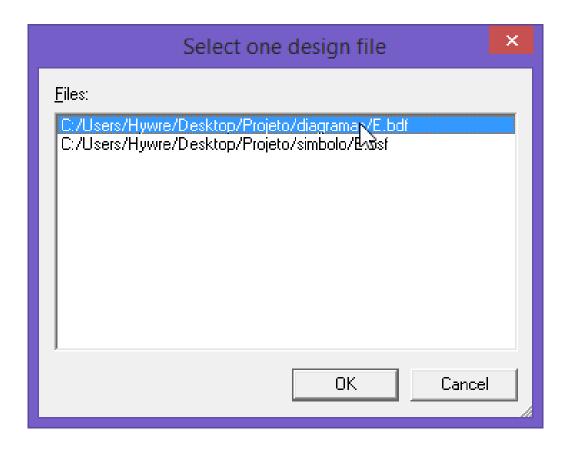


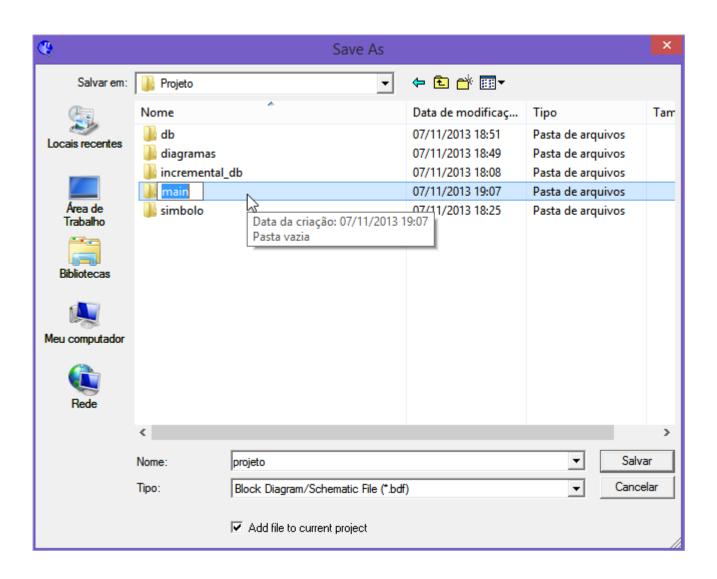






Problemas





Perguntas?

Exercício 2

2. Construir os seguintes arquivos de blocos de diagramas utilizando símbolo quando entre parênteses:

D)
$$F = (((C.D)' + A)' + (A + (C.D) + A.B) + (A.D)')$$

Tempo: 5 min

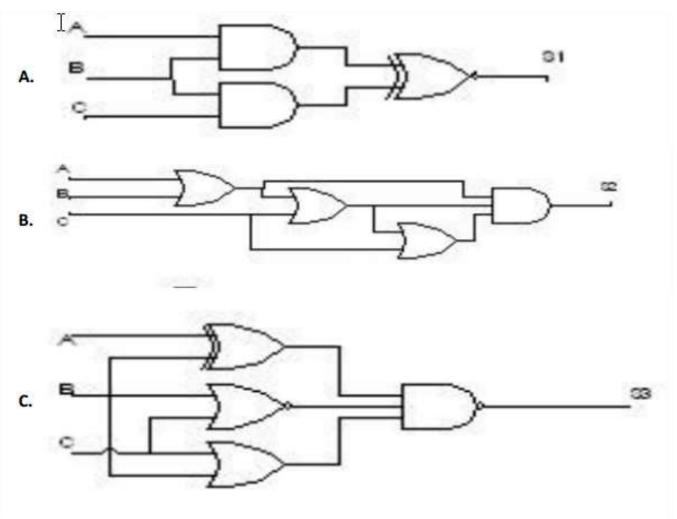
Sugestão:

- 1. Quebre em "funções", cada letra uma "caixinha".
 - a. (C.D)'
 - b. (X + A)', sendo X = (C.D)'
 - c. (A + (C.D) + AB)
 - d. (A.D)'
 - e. X + Y + Z, sendo X = 'b', Y = c, Z = d

Obs: CD e (CD)' são a mesma caixa, negada no fim.

Pode-se reaproveitar.

2. Construir os seguintes arquivos de blocos de diagramas utilizando símbolo quando entre parênteses:



Tempo: 15 min

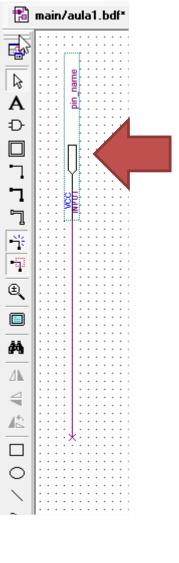
Quartus 9.1 sp2 Web Edition

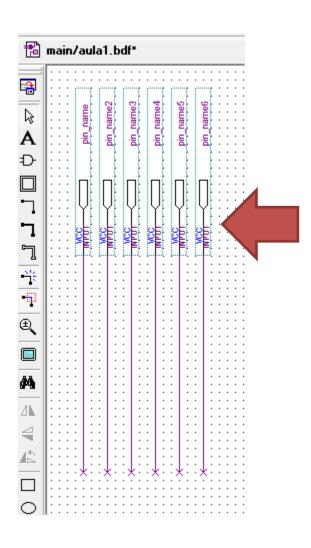
Monitoria de Sistemas Digitais EC

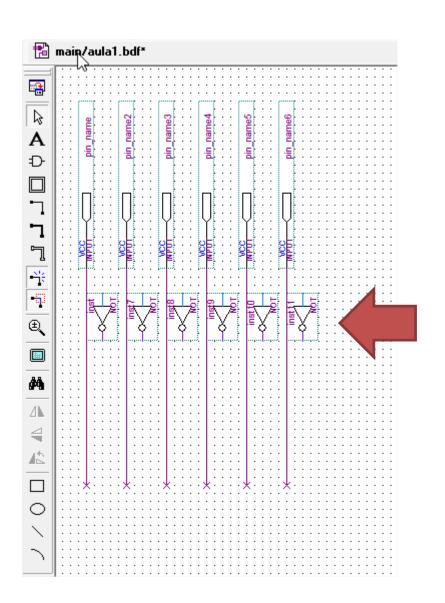
Aula 1 parte 3

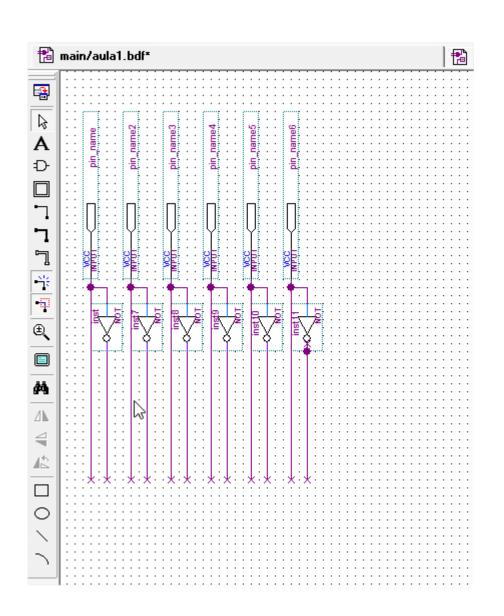
Sexta 08/11 10h às 12h

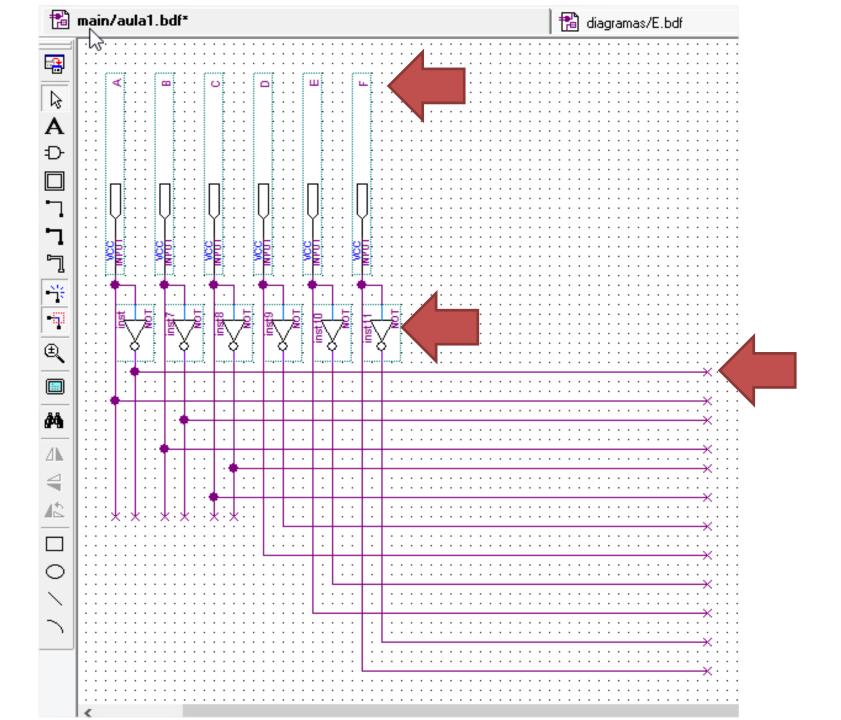
$$A.A' + B.B' + C.C' + D.D' + E.E'$$
 ?





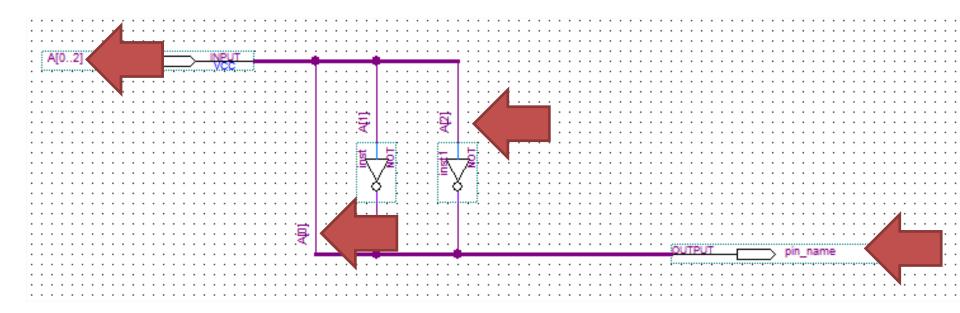






Pequena Revisão:

- 1. Sistema Binário
- 2. Representando um número e não 'uma informação'.
- 3. Ordem da informação
- 4. Aumentando seu vetor (padronização)
- 5. Ferramenta Vetor
 - 1. A[0 .. N] <- Dois pontos!!!!
 - 2. A[N]



Perguntas?

Exercício 3

3. Construir um arquivo de bloco de diagrama (bdf) utilizando barramento:

$$Y = (((C + D)' + A'.C.D' + A.B'.C' + A.C.D' + A'.C.D'.E').((A' + B) . (A + E + D) . D'))'$$

Tempo: 5 min

- 4. Construir um símbolo que receba um vetor A que possa representar os números 0 7
- a)Esse símbolo deve inverta APENAS o valor desse vetor A (Não inverter o sinal).
- b)A saída deve estar invertida (Mais significativo -> menos significativo (F) menos significativo -> mais significativo)
- c) Trate o sinal como um caso separado, não inverta e tenha um Output somente para ele.
- E, por fim, adicione ao projeto inicial.

Tempo: 5 min