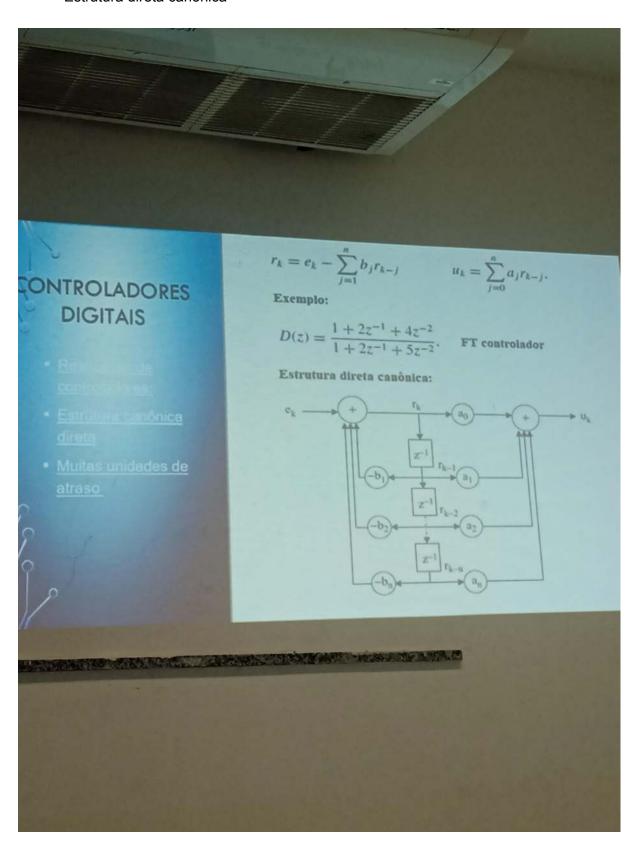
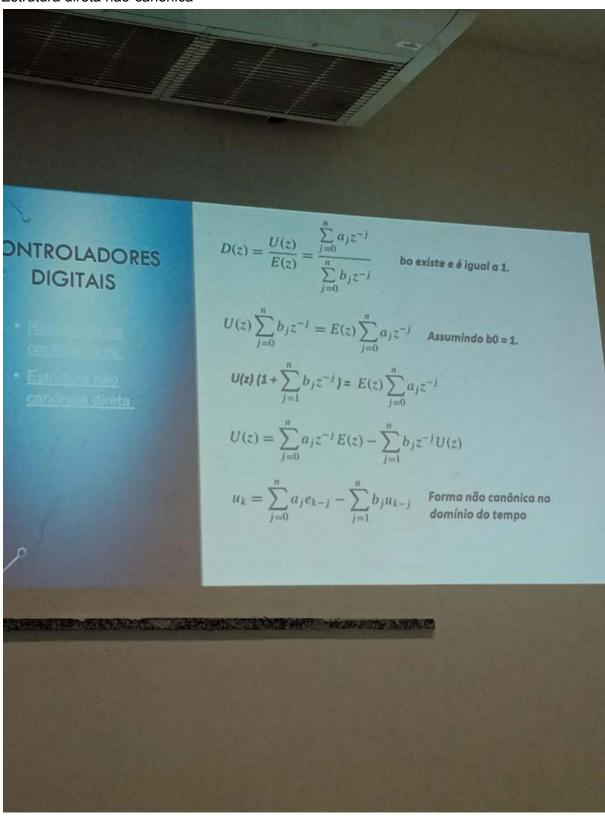
Cristiano Coutinho Costa Aula 08-11-22

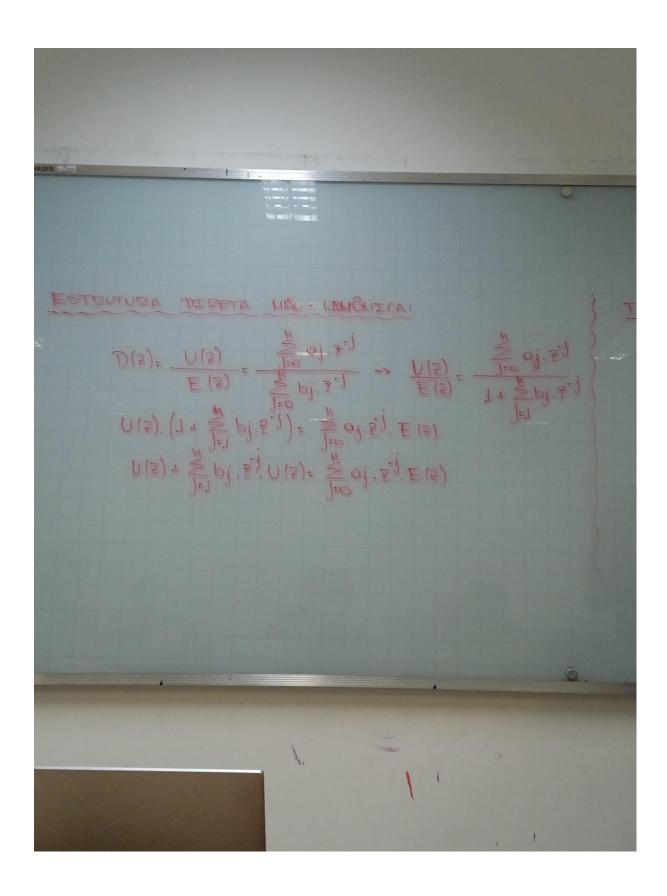
Estruturas de programação

- Estrutura direta canônica

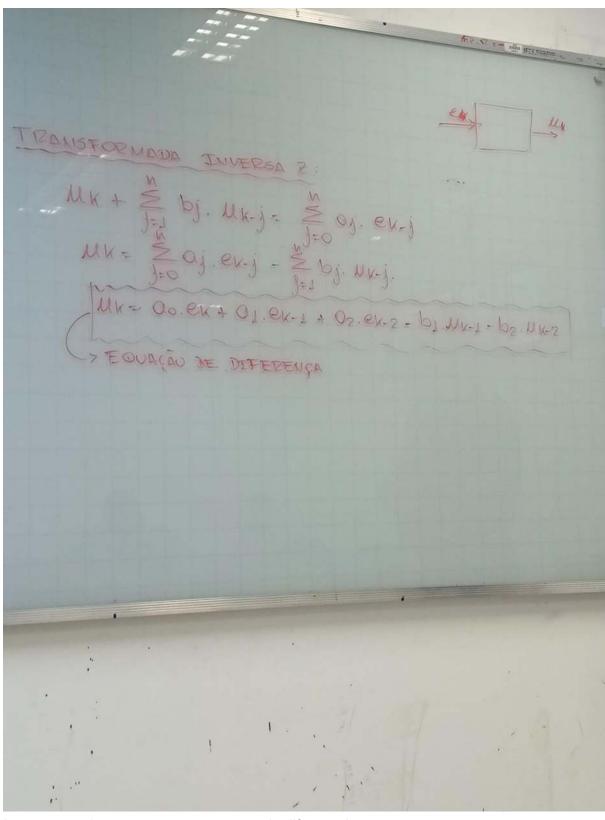


Estrutura direta não-canônica

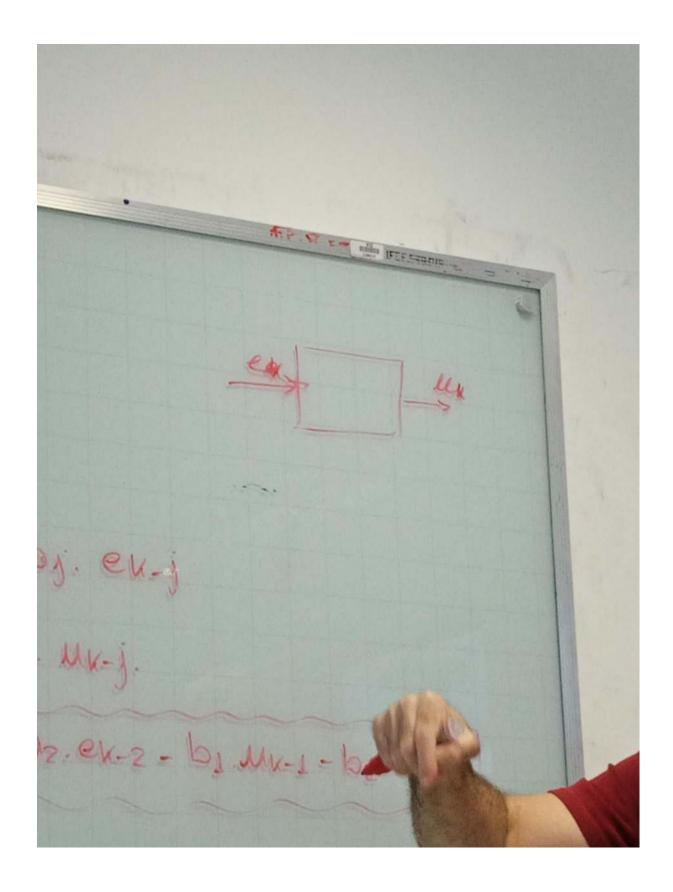




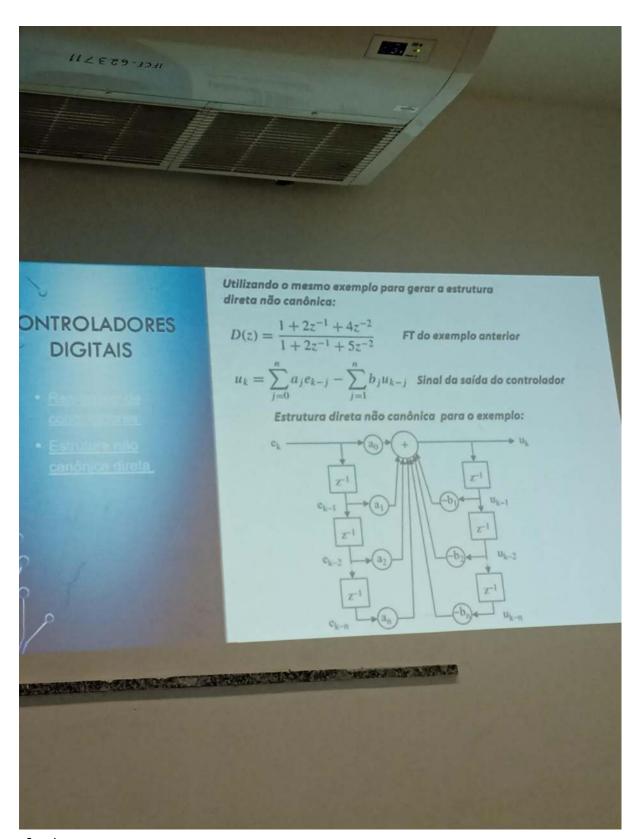
Transformada inversa de Z



A equação acima representa a equação de diferença! K: representa as amostras em tempo discreto



Exemplo:



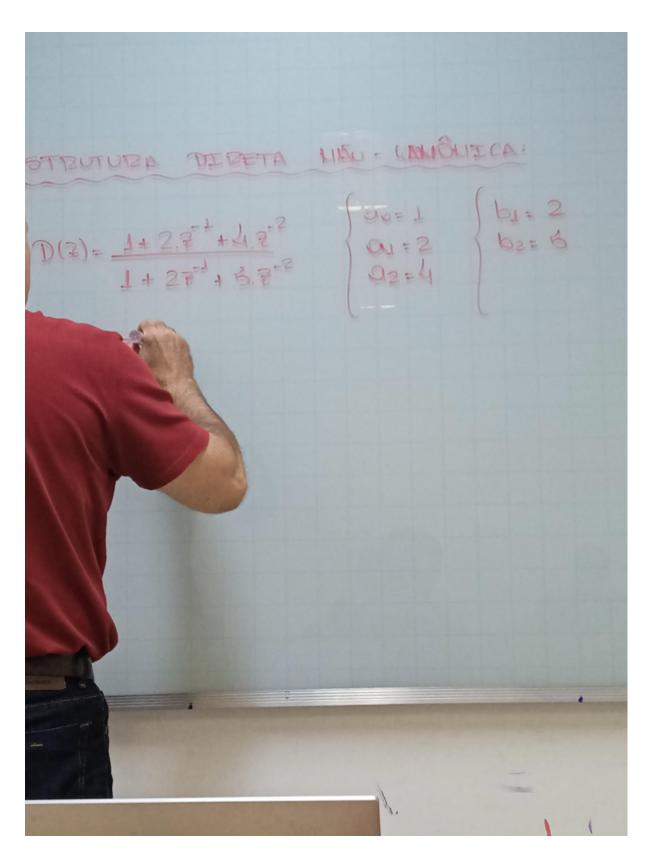
a0 = 1

a1 = 2

a2 = 4

b1= 2

b2= 5



Estrutura direta não-canônica

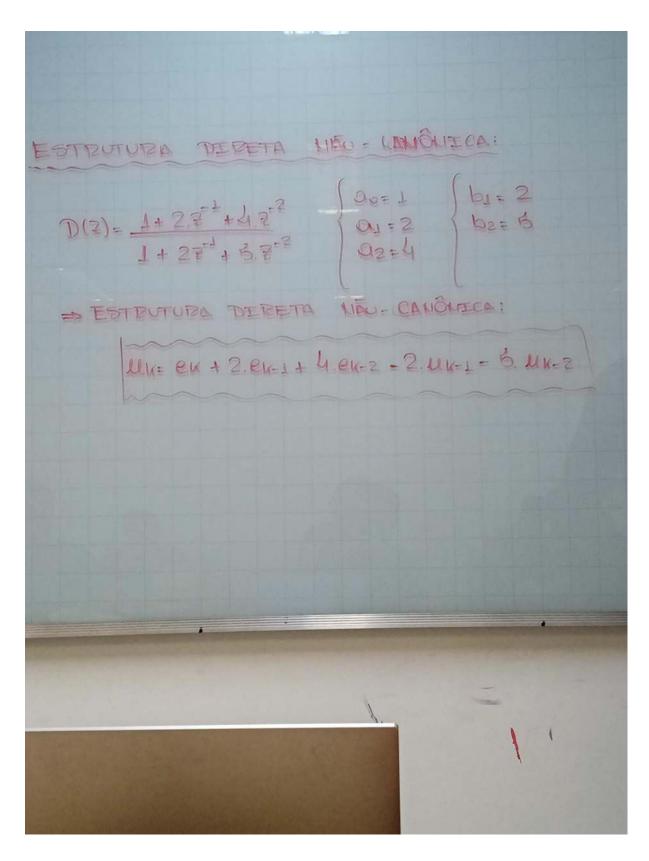
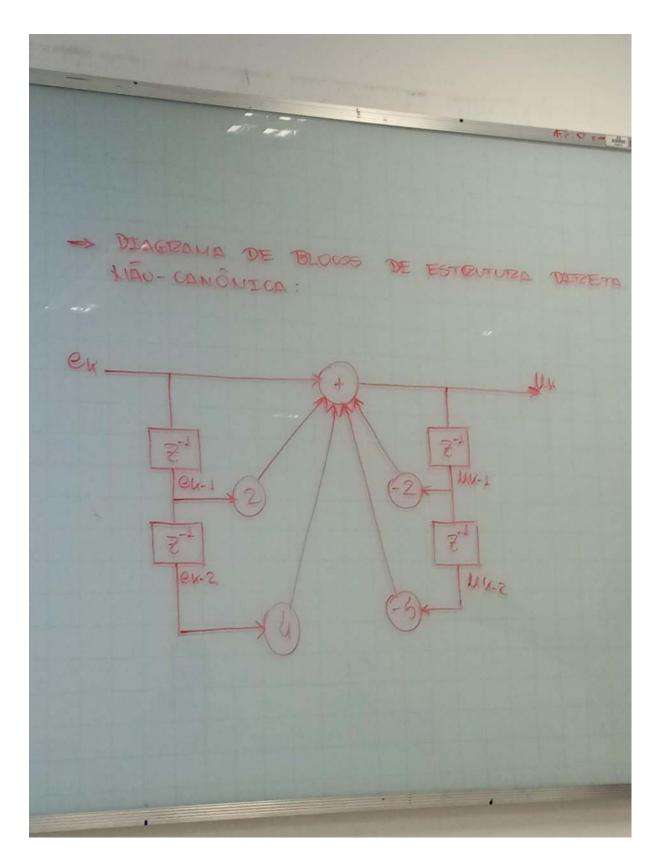


Diagrama de blocos de estrutura direta não-canônica



Exemplo 2

FCE.548.019

ESTRUTURA DIRETA LING-LINGUICA:

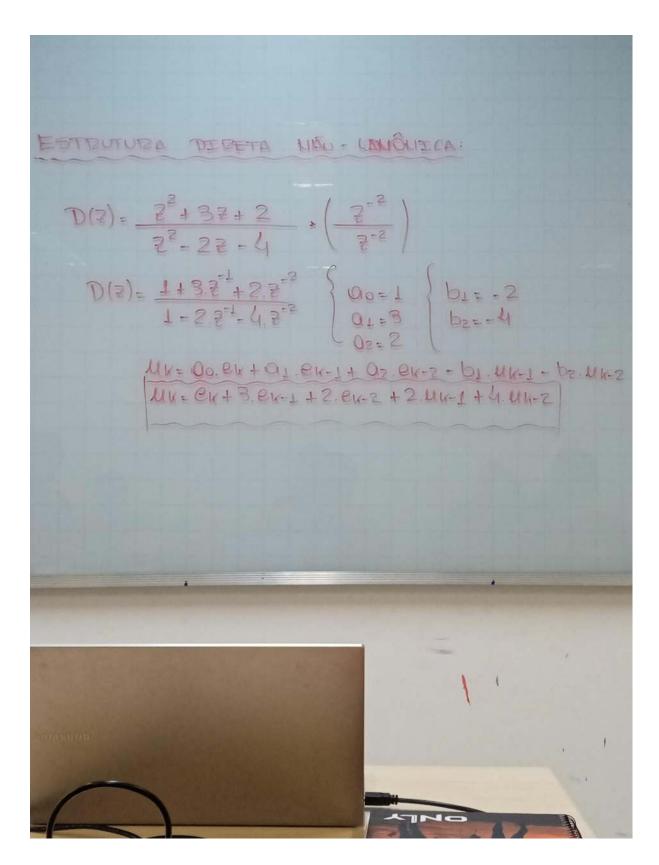
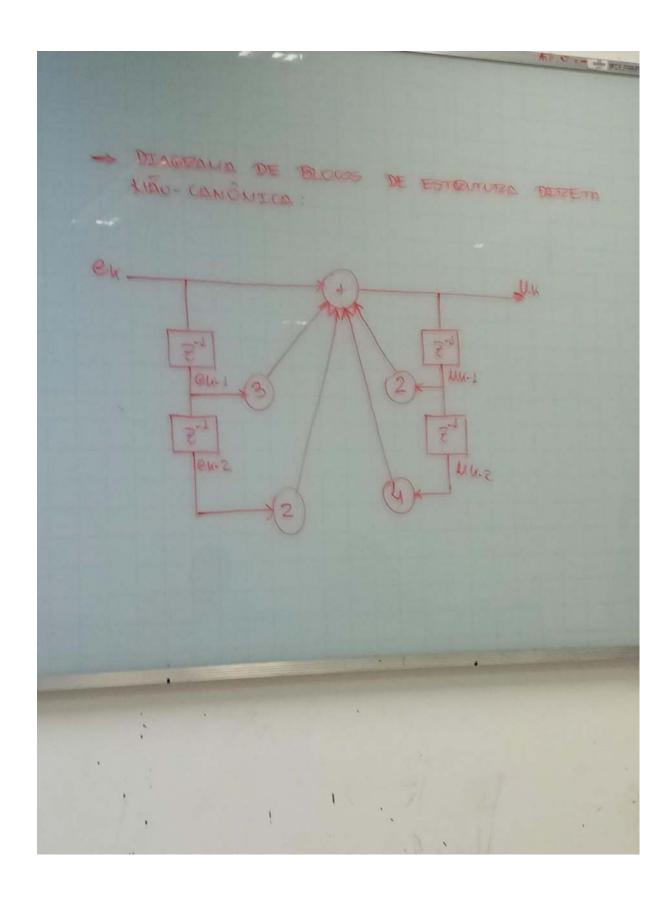
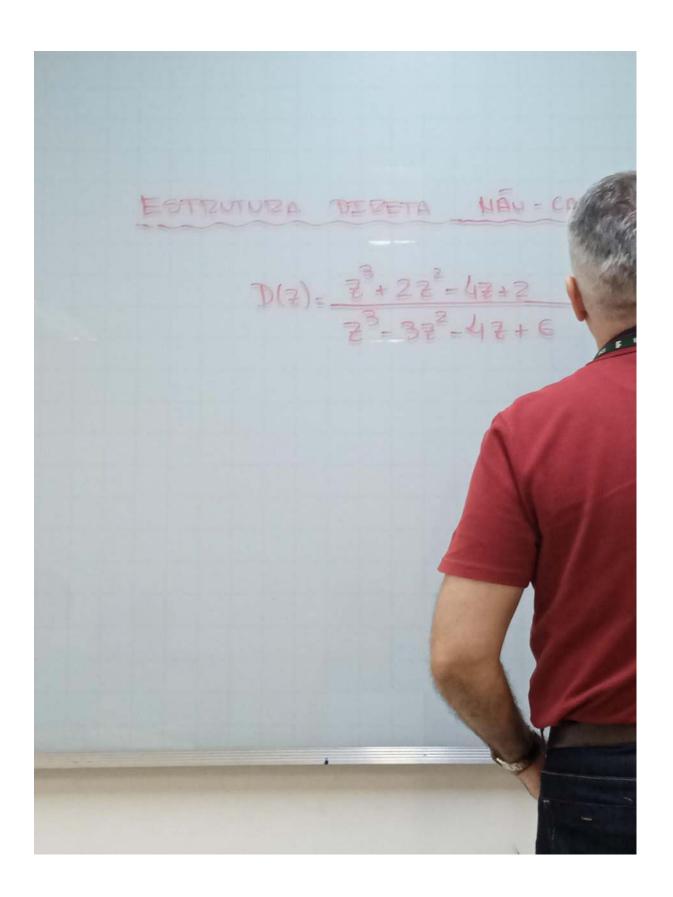
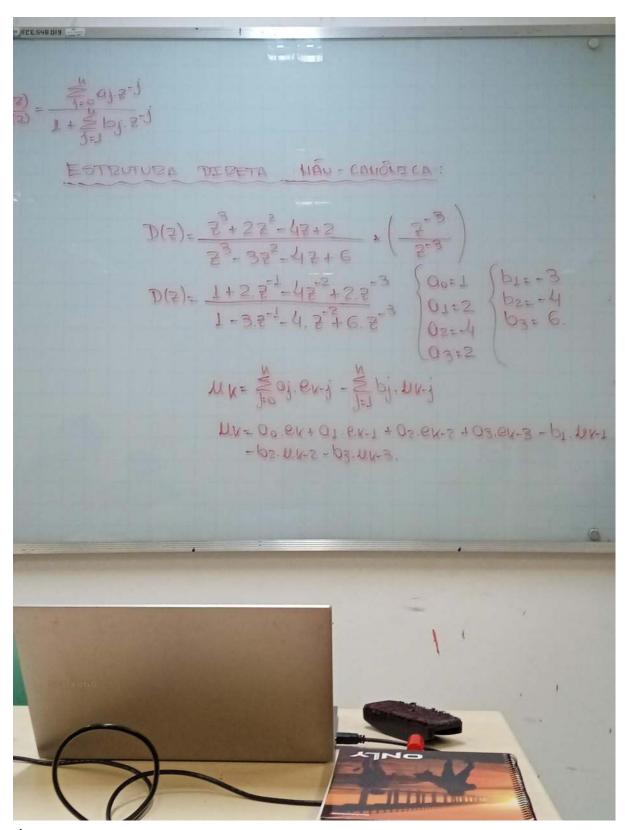


Diagrama de blocos de estrutura direta não-canônica

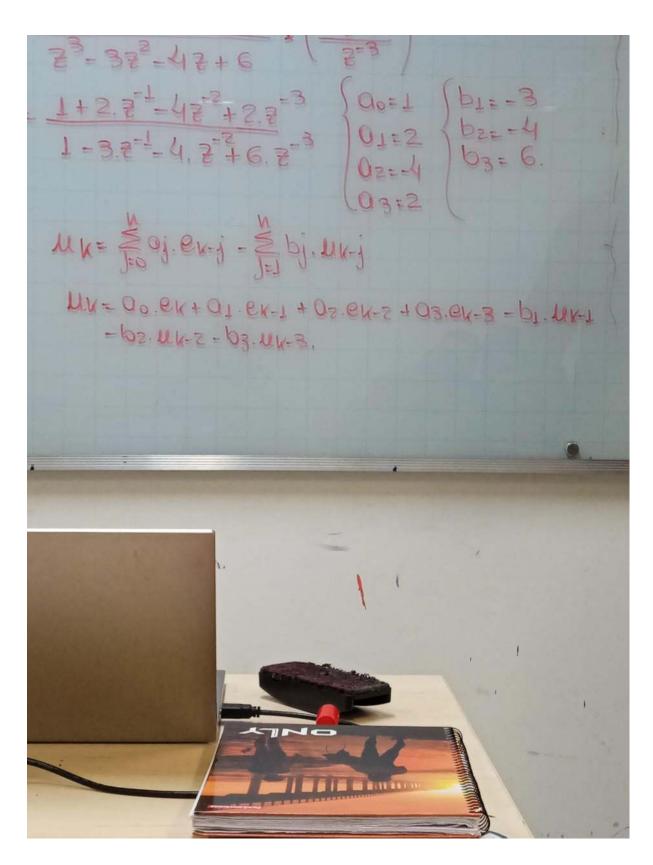


Exemplo 3

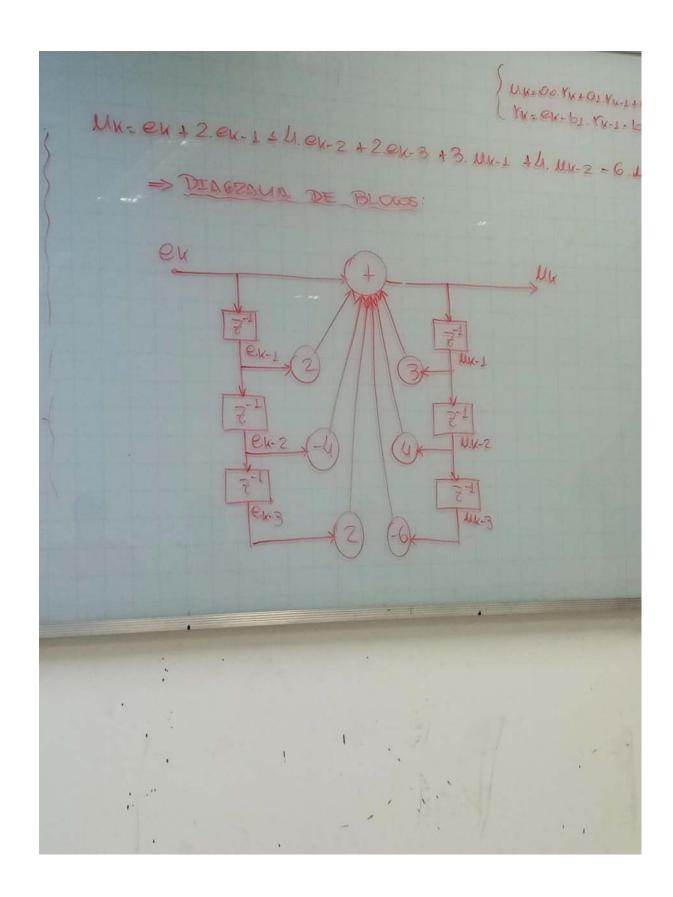


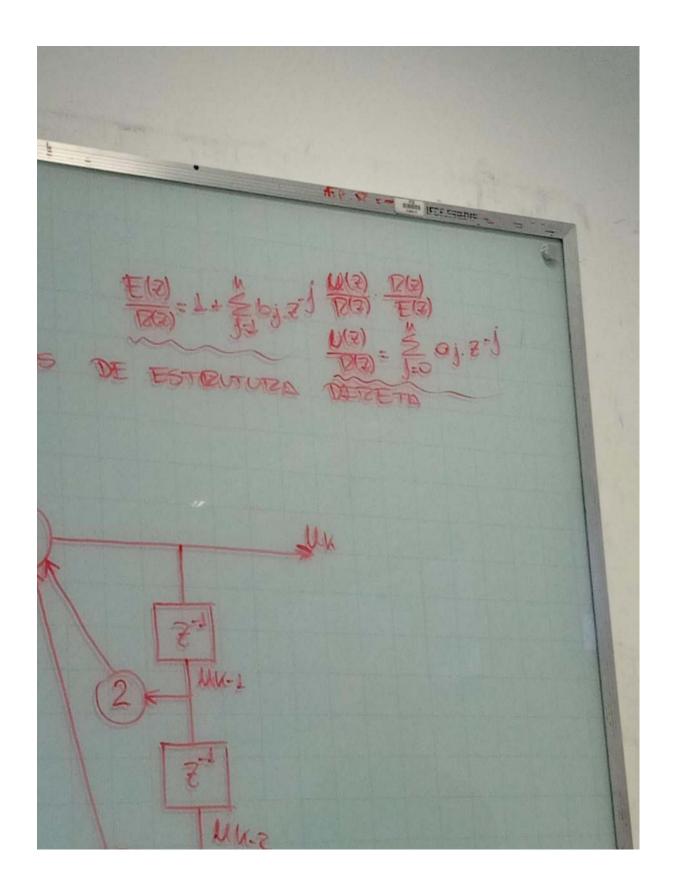


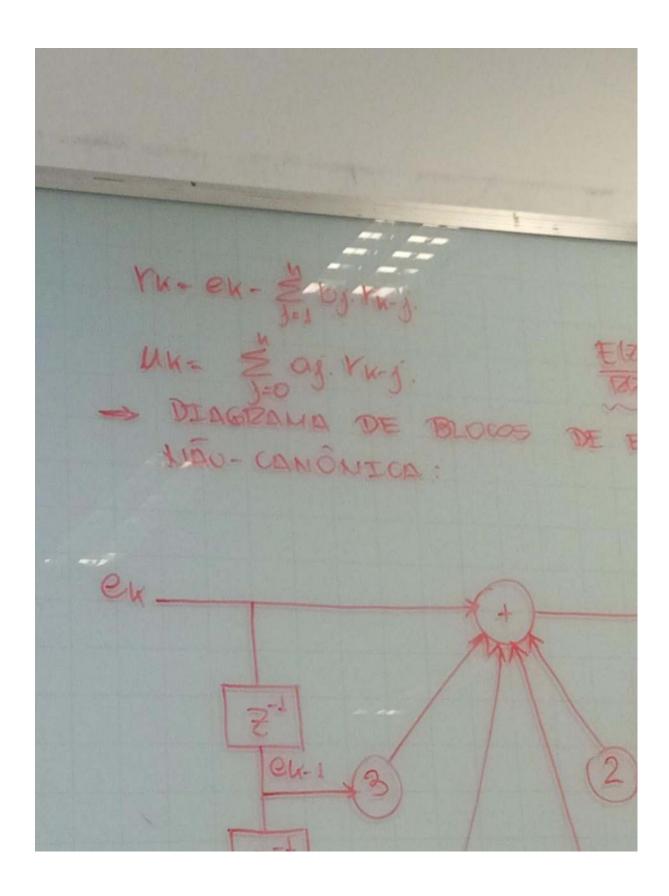
uk:



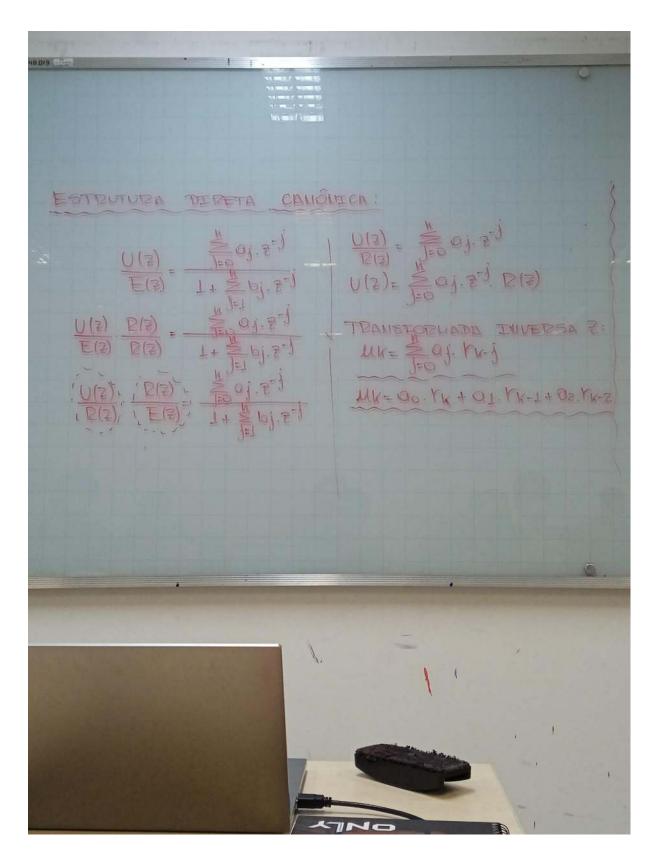
Representando no diagrama de blocos



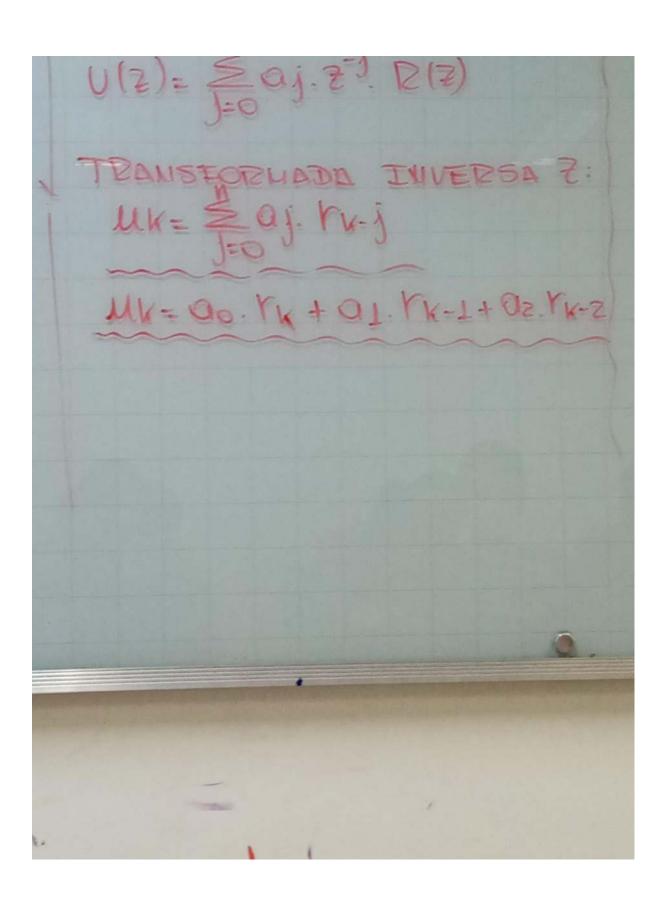




Estrutura Direta Canônica



Transformada inversa Z



 $\frac{P(z)}{E(z)} = \frac{1}{1 + \sum_{j=1}^{n} b_{j} \cdot z^{-j}}$ $\frac{E(z)}{P(z)} = \frac{1}{1 + \sum_{j=1}^{n} b_{j} \cdot z^{-j}}$ $E(z) = P(z) + \sum_{j=1}^{n} b_{j} \cdot z^{-j}$ $e_{k} = h_{k} + \sum_{j=1}^{n} b_{j} \cdot h_{k-j}$ $h_{k} = e_{k} - \sum_{j=1}^{n} b_{j} \cdot h_{k-j}$

E(2) = 1 + 2 bj. 2-5

E(2) = 1 + 2 bj. 2-5

E(2) = 2 (2) + 2 bj. 2-5

E(2) = 2 (2) + 2 bj. rk-j

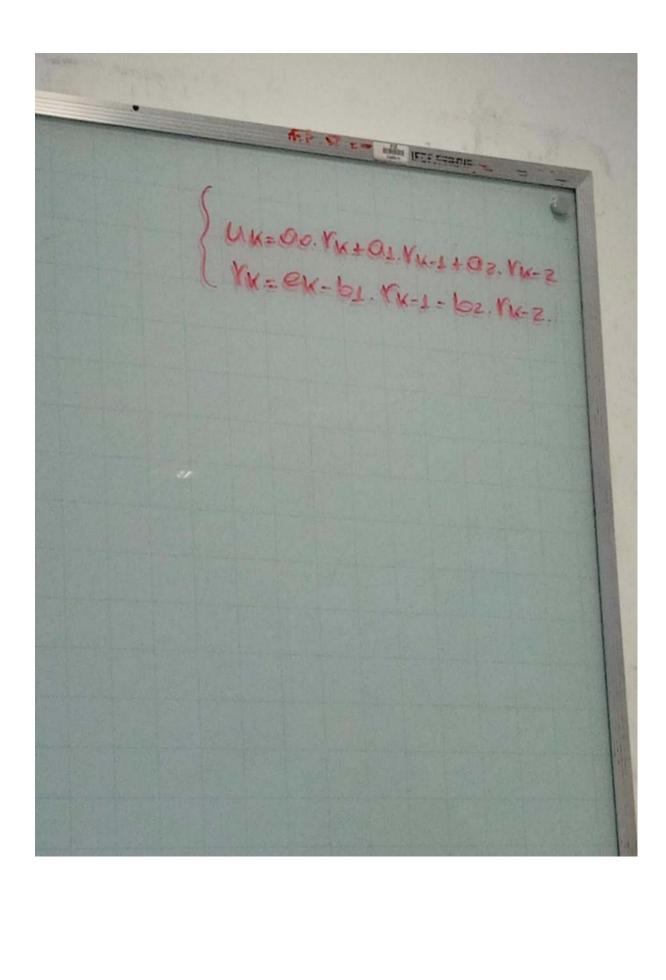
P(2) = 1 + 2 bj. rk-j

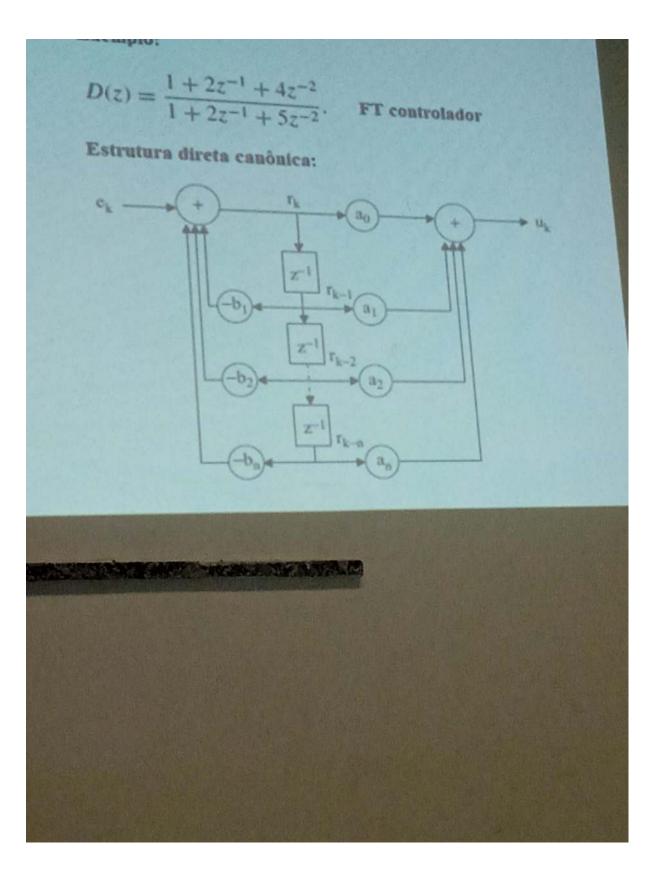
P(2) = 2 kg bj. rk-j

P(3) = 1 + 2 bj. rk-j

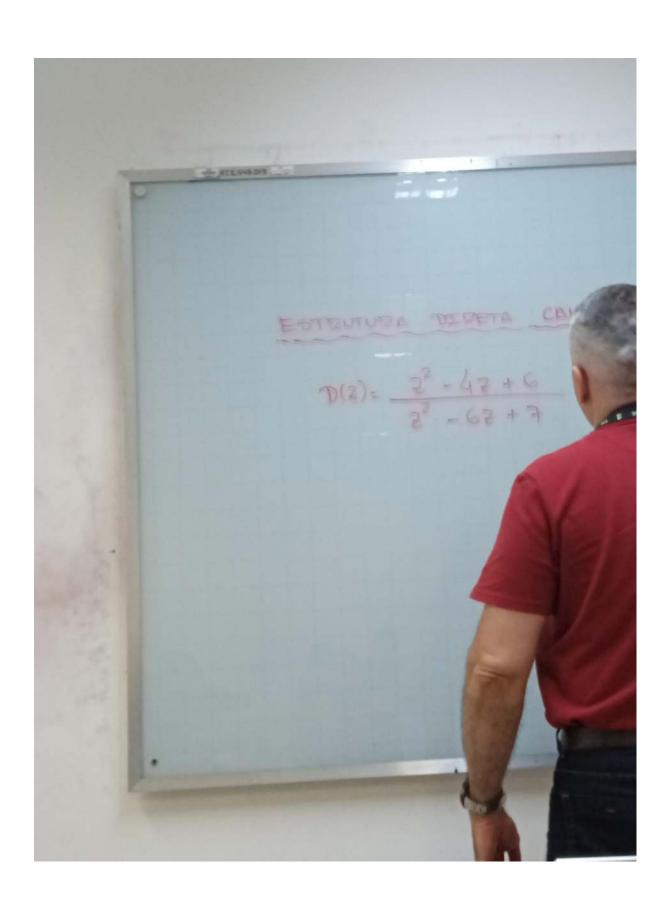
P(4) = 2 bj. rk-j

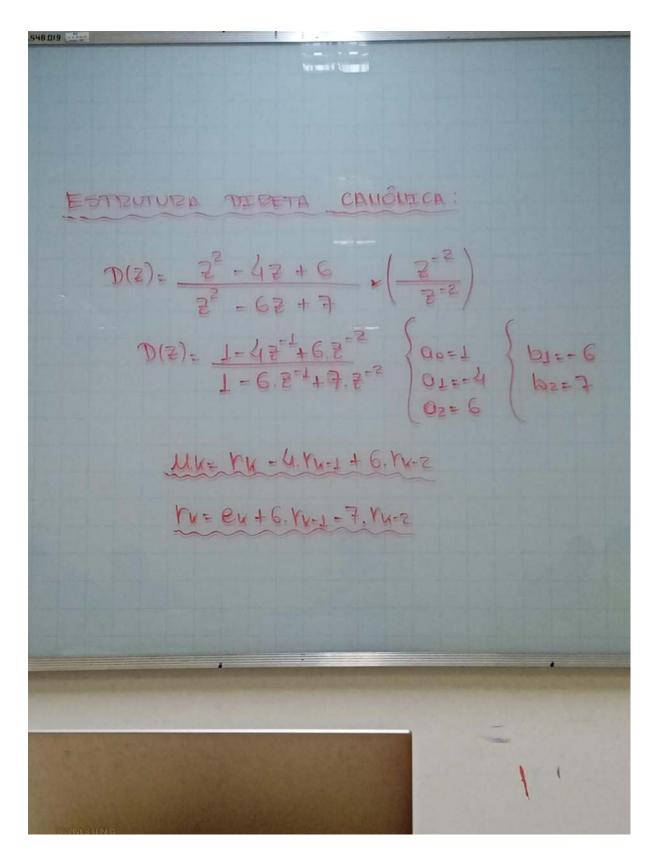
P(4) = 2 bj. rk-j





Exemplo 1





Representando no diagrama de blocos

