

Mapeamento do ME-R para M-Relacional

Renato Bueno

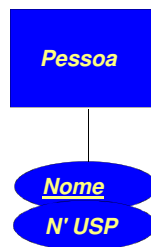
Mapeamento de Diagramas Entidade-Relacionamento em Esquemas Relacionais.

- O ME-R é um Modelo Conceitual: pode ser usado para especificar conceitualmente a estrutura de dados de uma aplicação.
- O Modelo Relacional é um Modelo Representacional: Facilmente implementado em um SGBD.
- Para isso, é necessário que exista um SGBD que se apóie no modelo relacional: um SGBDR

Mapeamento de Diagramas Entidade-Relacionamento em Esquemas Relacionais.

- O mapeamento permite que se traduzam os esquemas concebidos com um modelo de conteúdo semântico mais alto para uma implementação utilizando um modelo representacional, visando preservar as propriedades do modelo mais rico.
- Assim, é possível o mapeamento do Modelo Entidade-Relacionamento (um modelo conceitual) para o Modelo Relacional (um Modelo Representacional)

Mapeamento de Cj. De Entidades

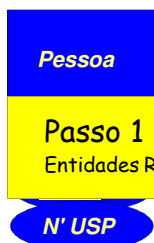


- Cada conjunto de Entidades é mapeado como uma relação que envolve todos os atributos do Cj. de Entidades.

- Os atributos chaves irão compor a chave da relação.

Pessoa = { Nome , RA }

Mapeamento de Cj. De Entidades



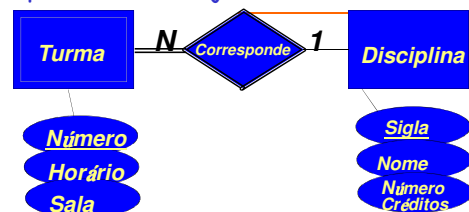
Passo 1 - Mapear todos os Cj. de Entidades Regulares do Diagrama E-R

- Cada conjunto de Entidades é mapeado como uma relação que envolve todos os

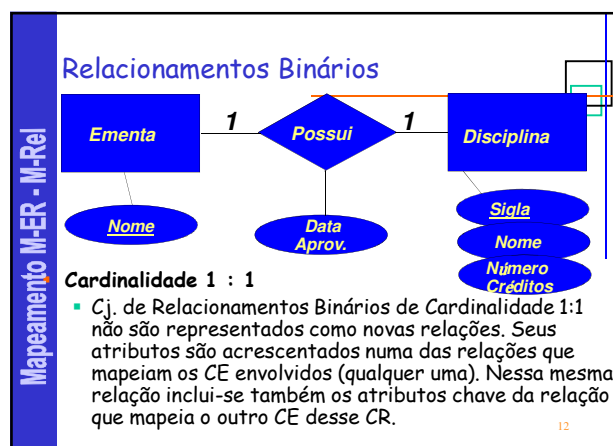
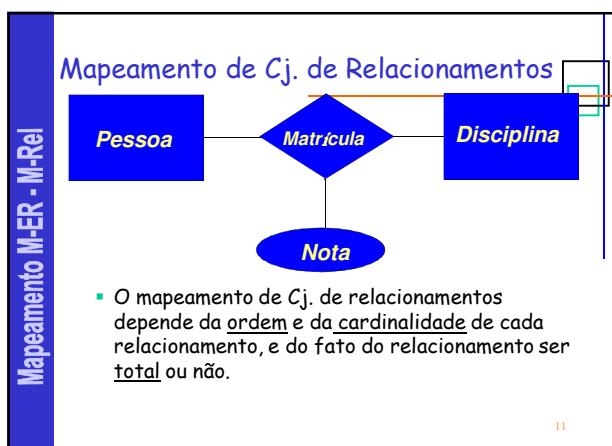
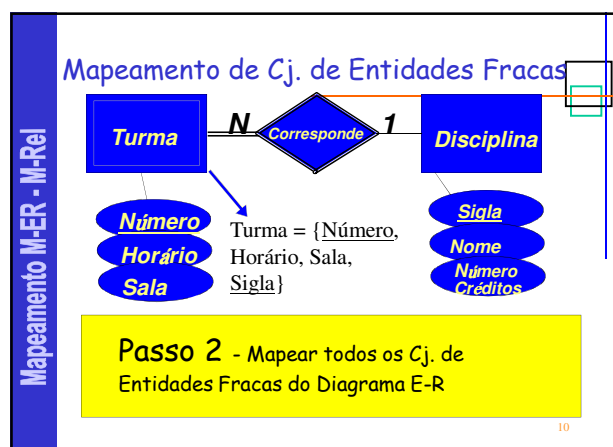
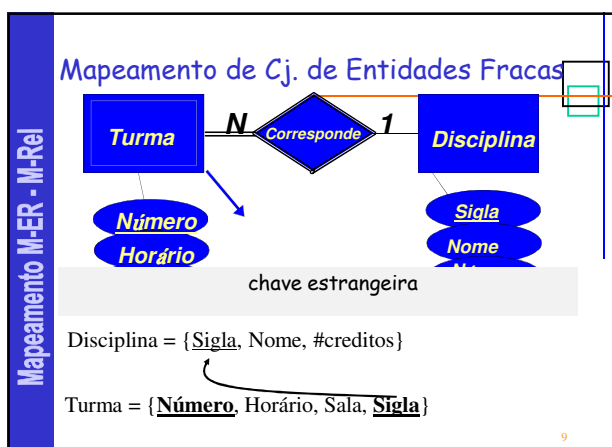
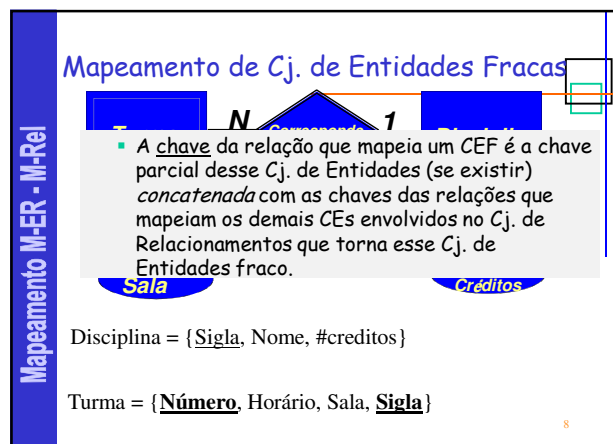
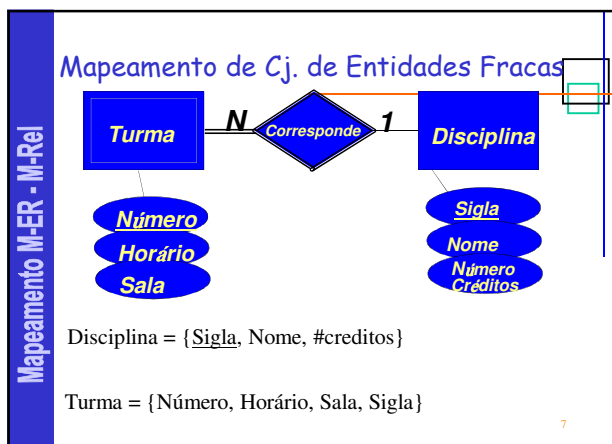
- Os atributos chaves irão compor a chave da relação.

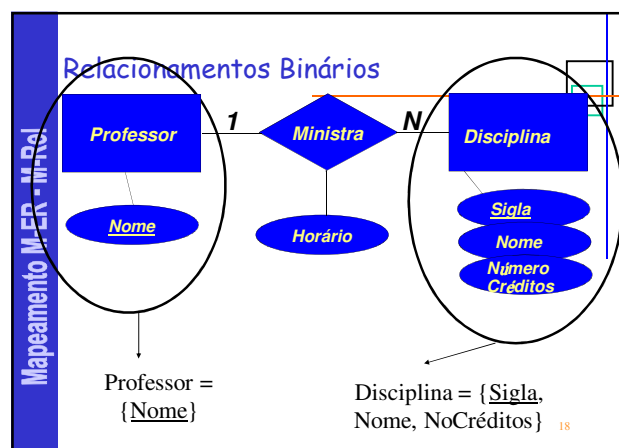
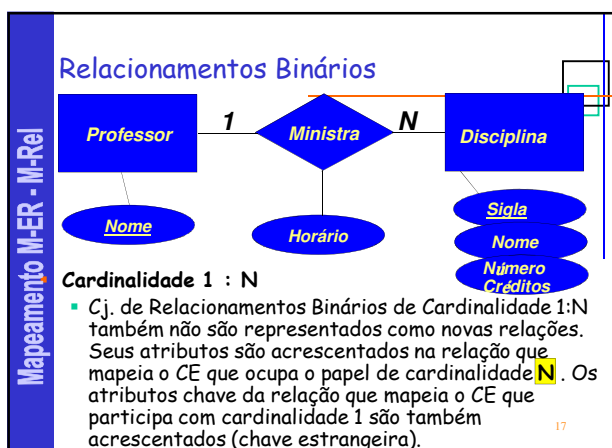
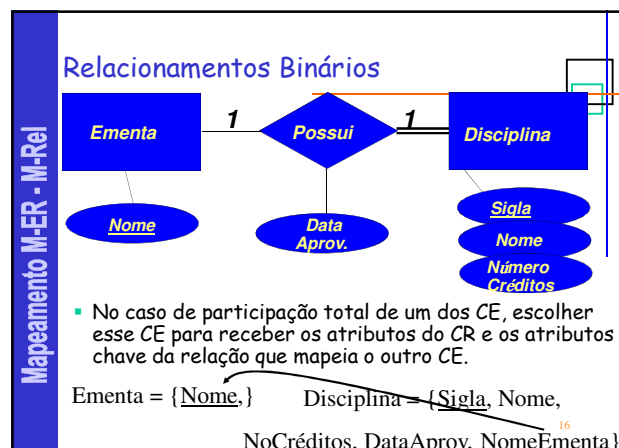
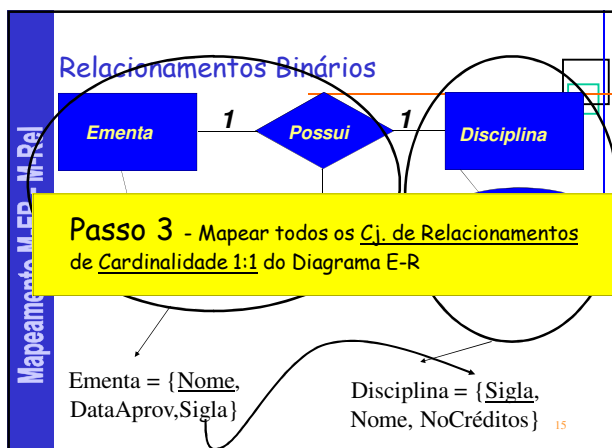
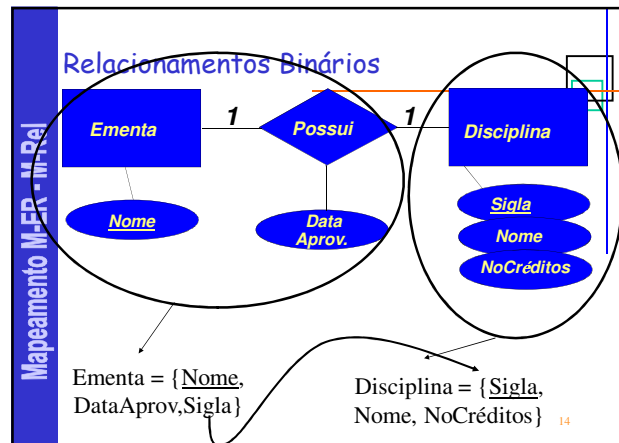
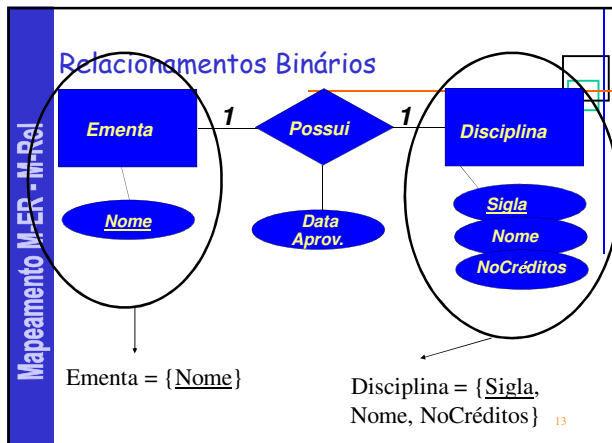
Pessoa = { Nome , RA }

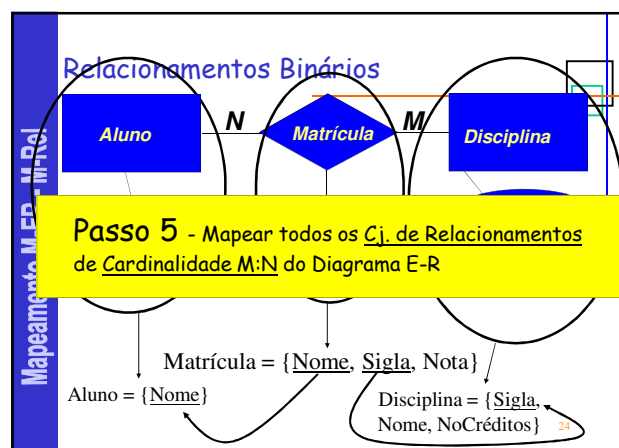
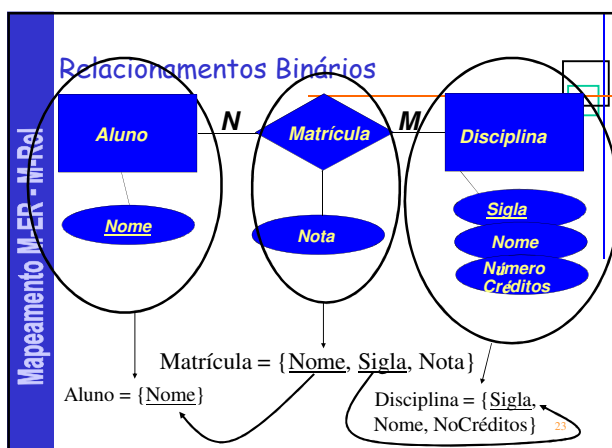
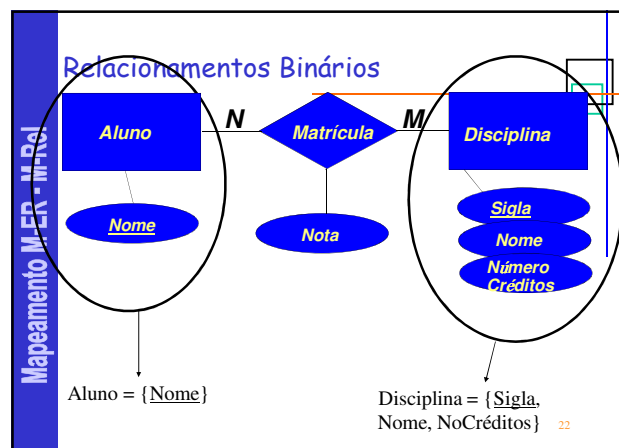
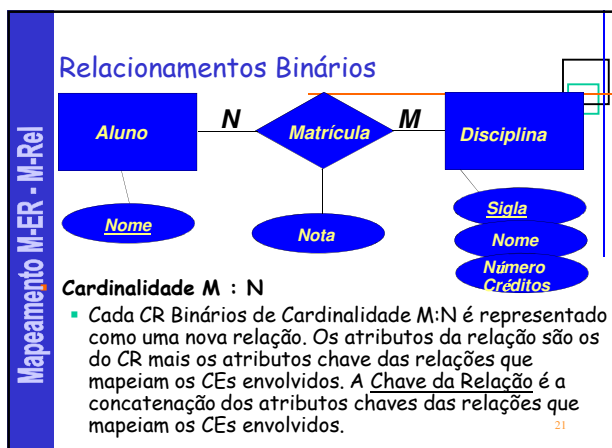
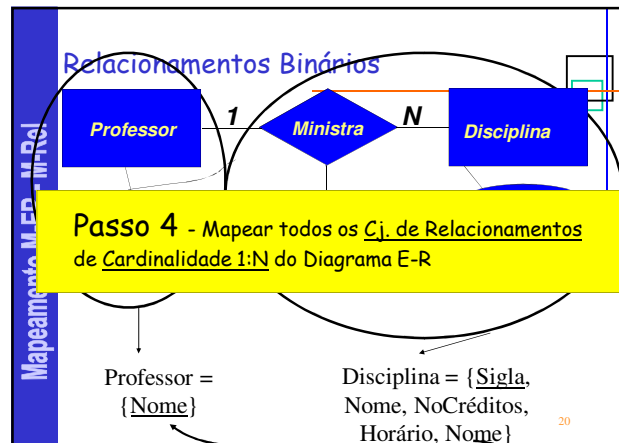
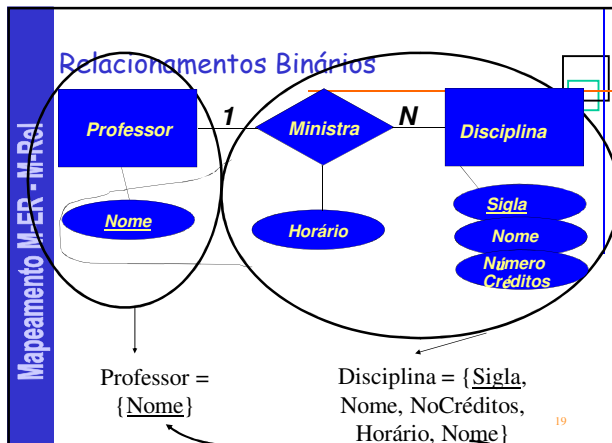
Mapeamento de Cj. de Entidades Fracas

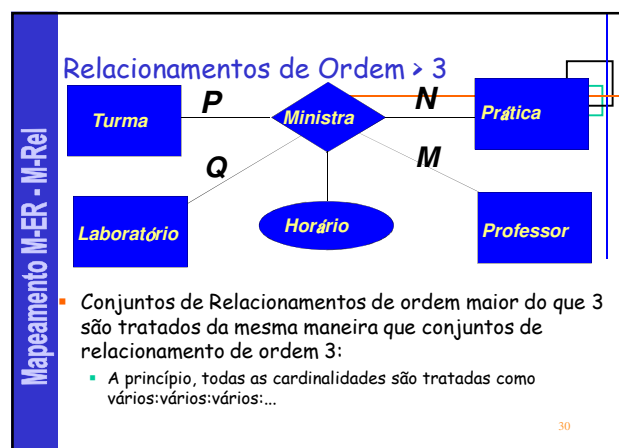
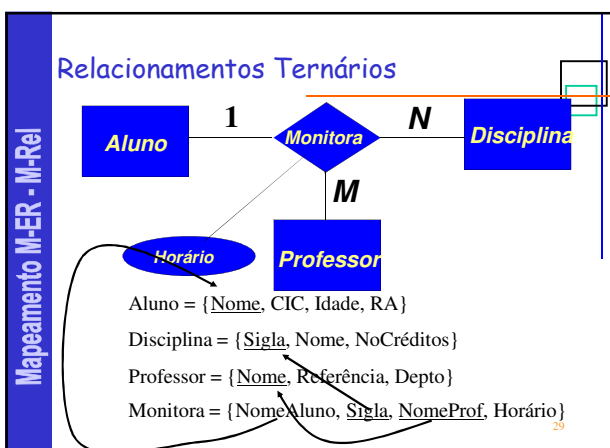
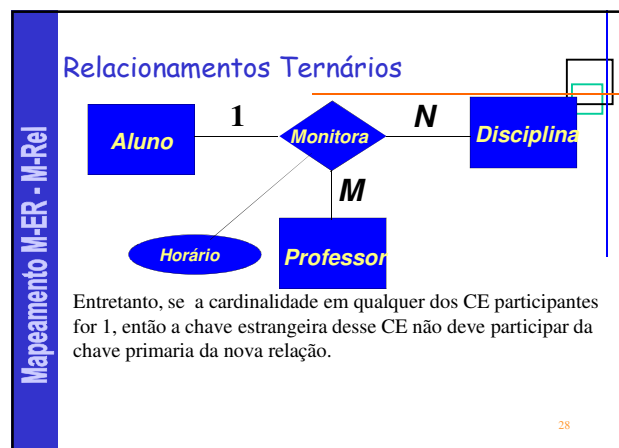
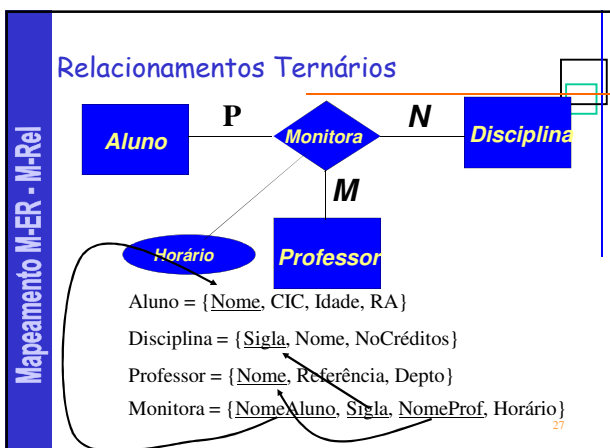
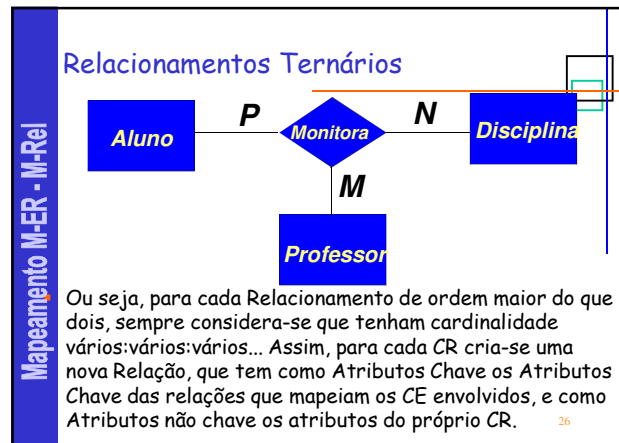
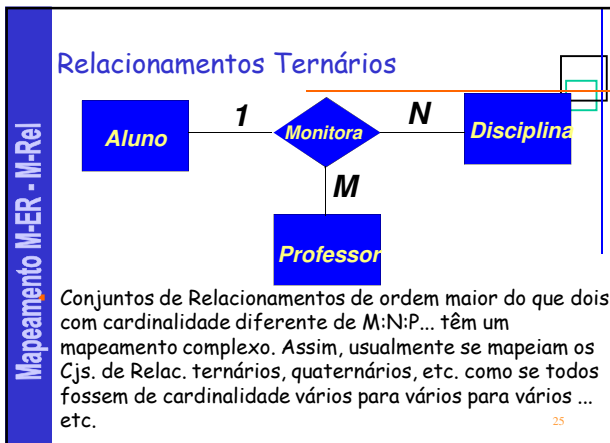


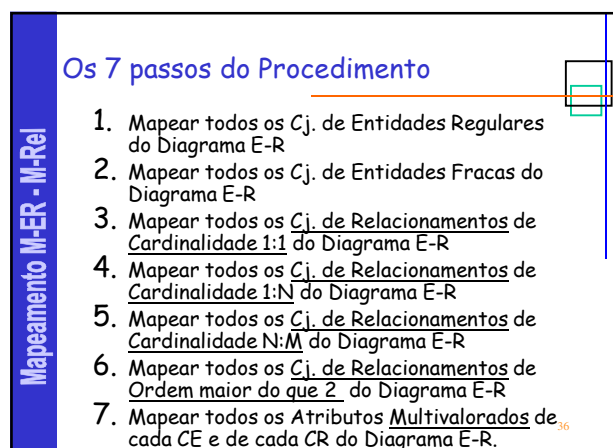
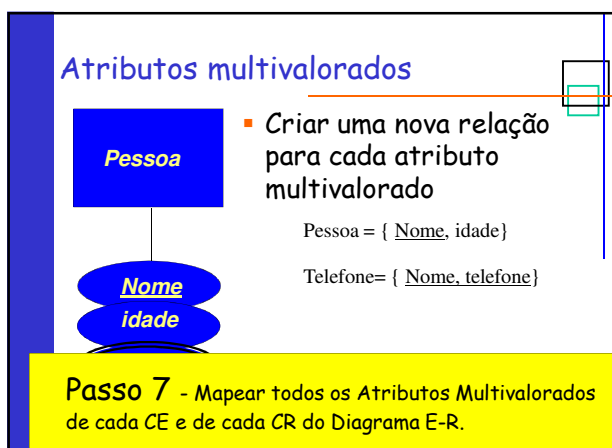
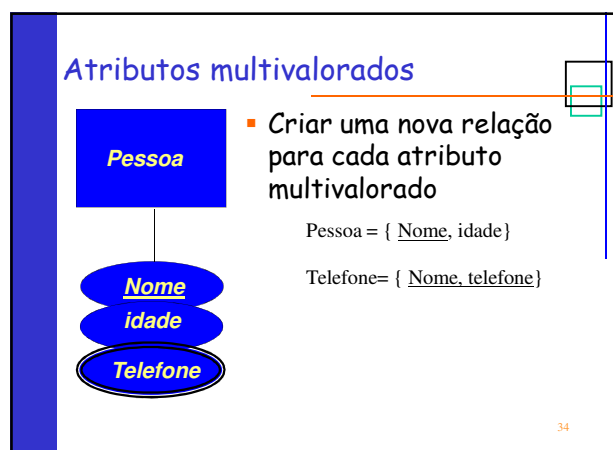
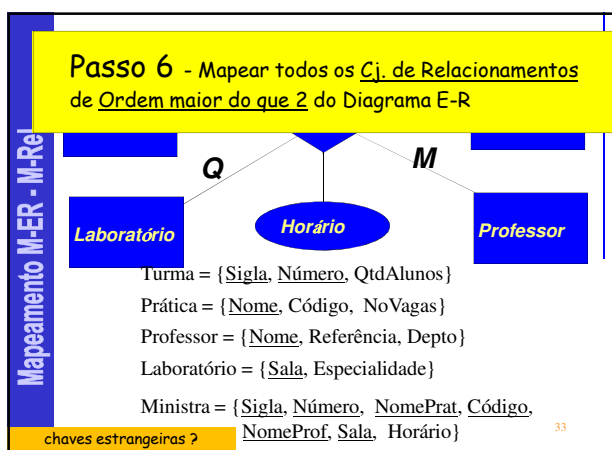
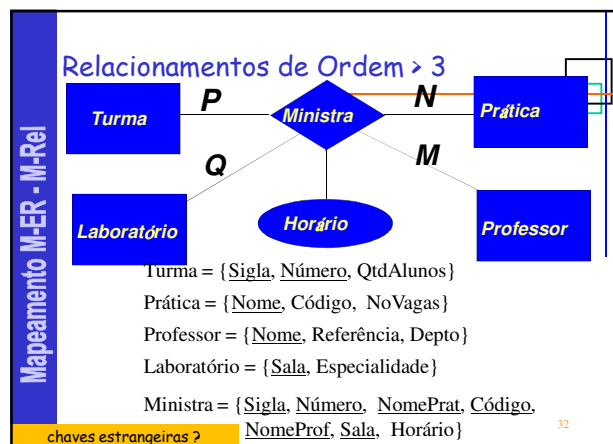
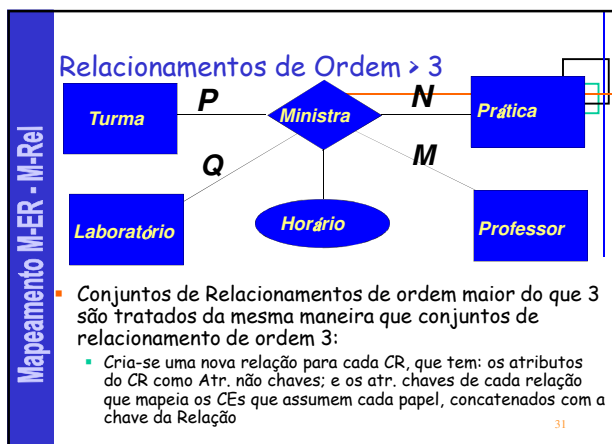
- Cj. de Entidades Fracas (CEF) são mapeados numa relação formada por todos os atributos do CEF, mais os atributos que são chaves das relações que mapeiam os CE envolvidos pelo Cj. de Relacionamento que torna esse CE fraco

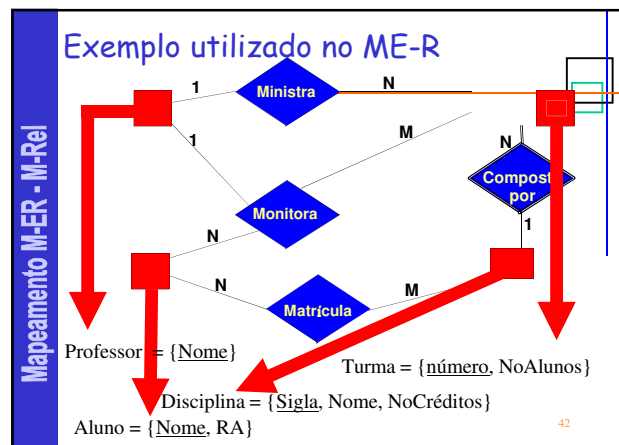
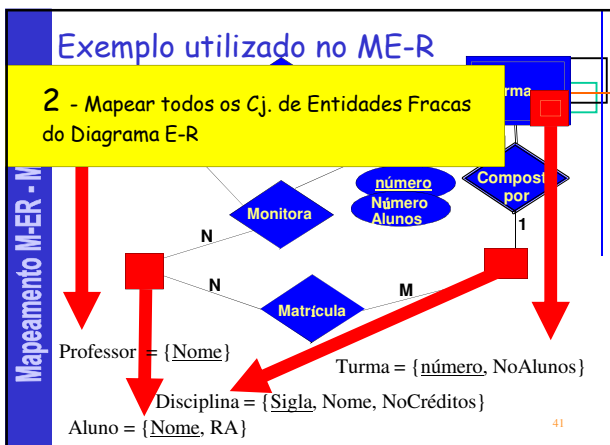
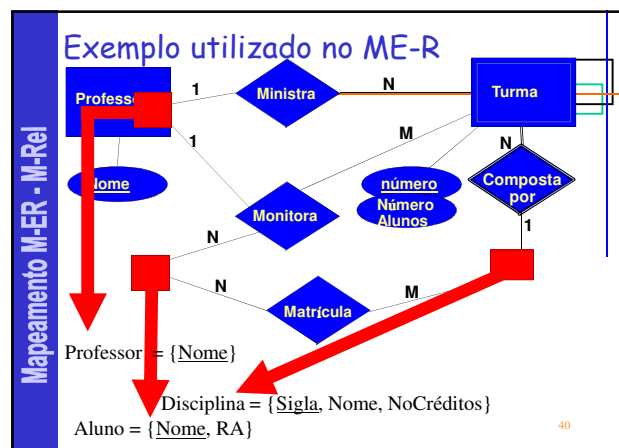
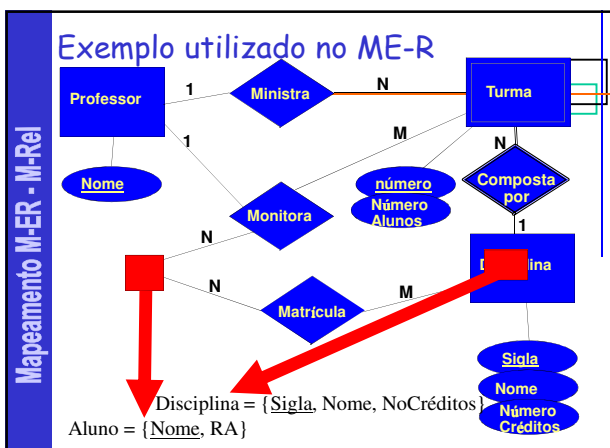
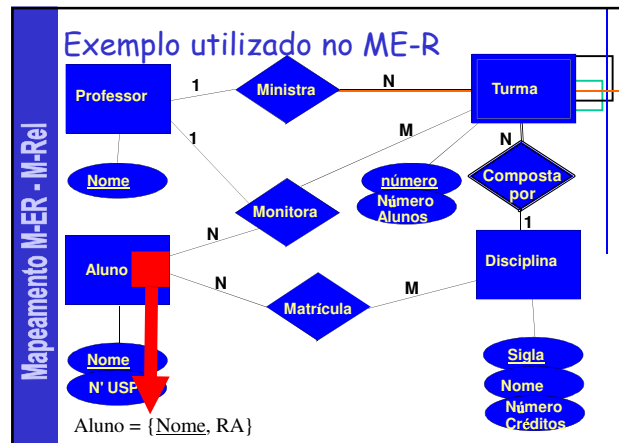
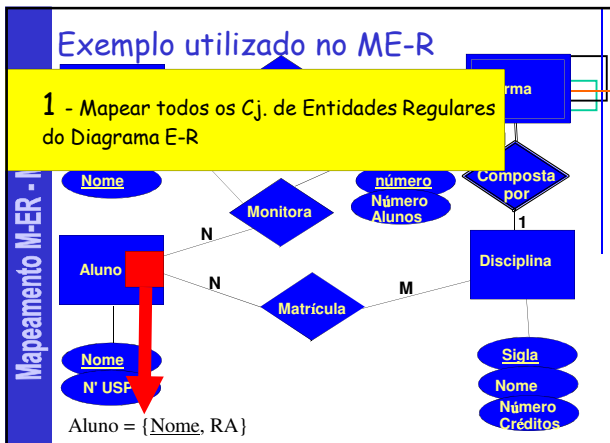


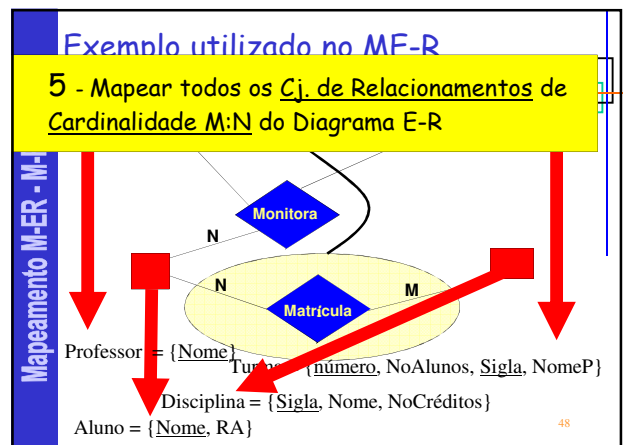
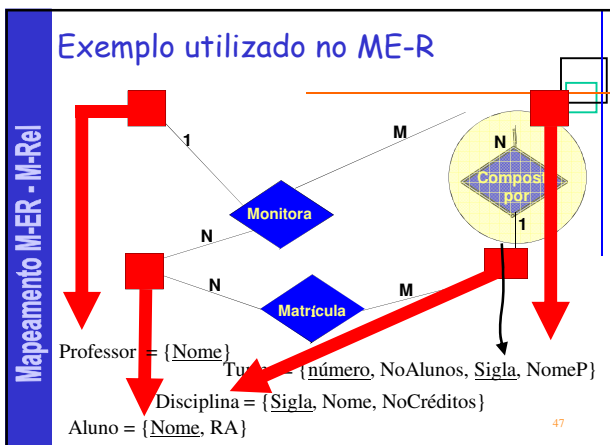
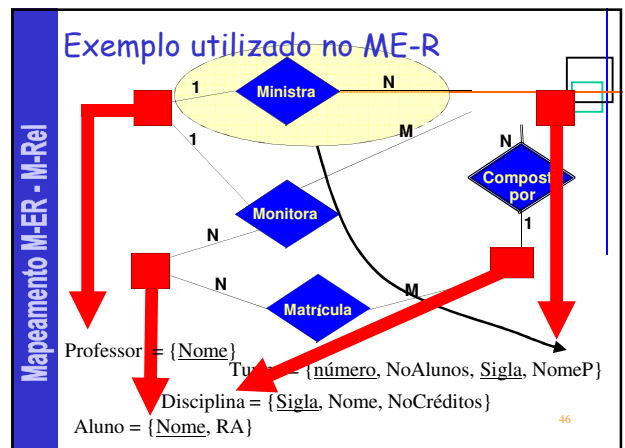
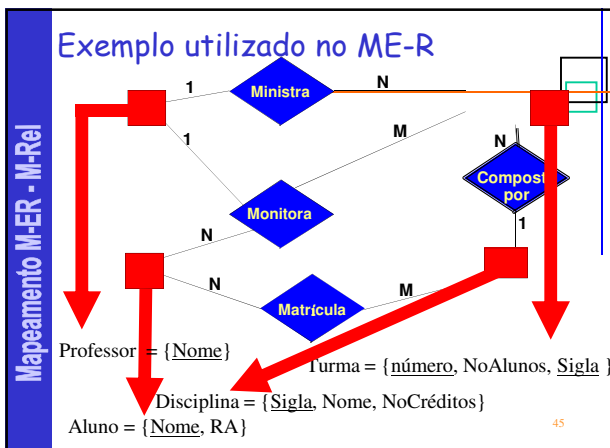
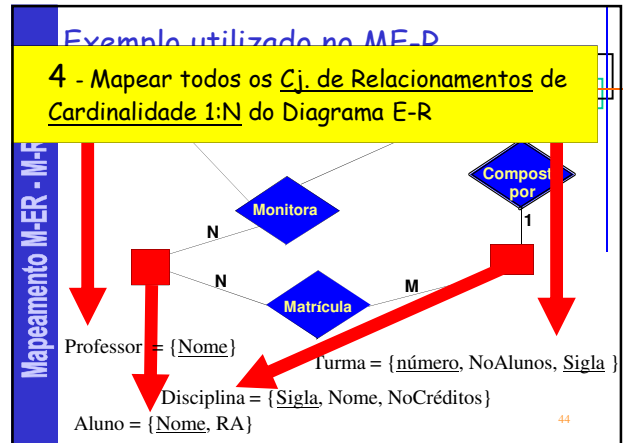
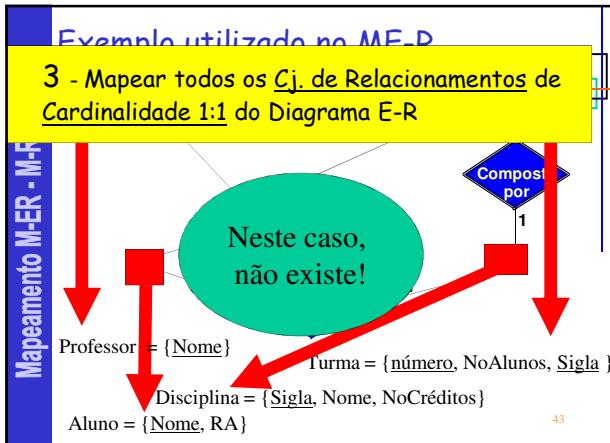


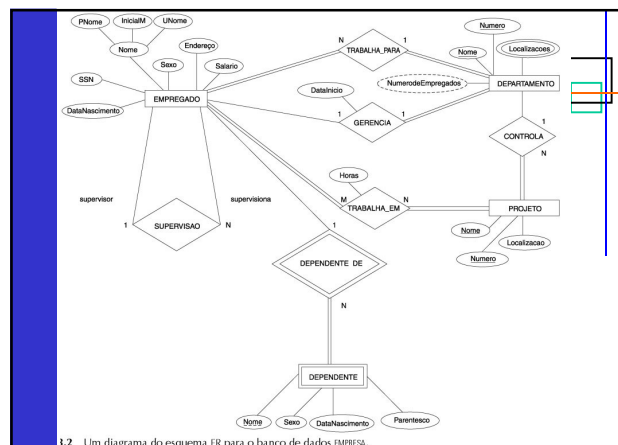
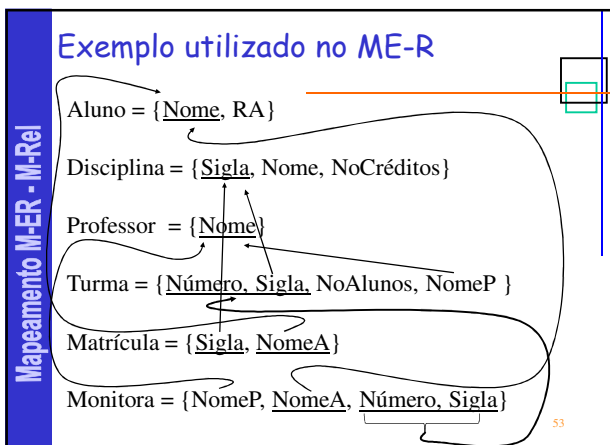
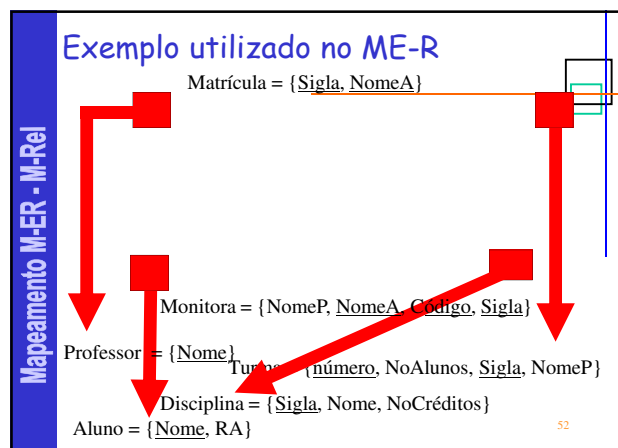
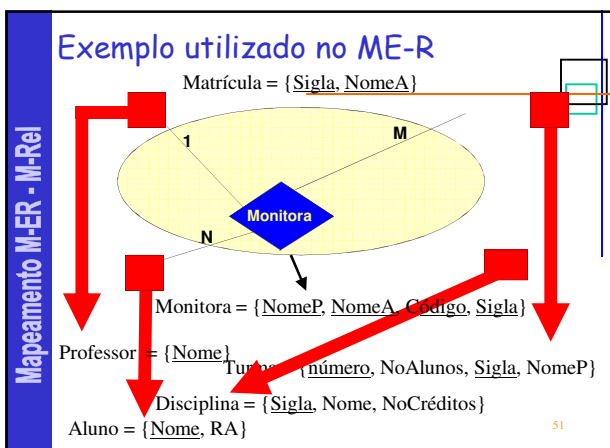
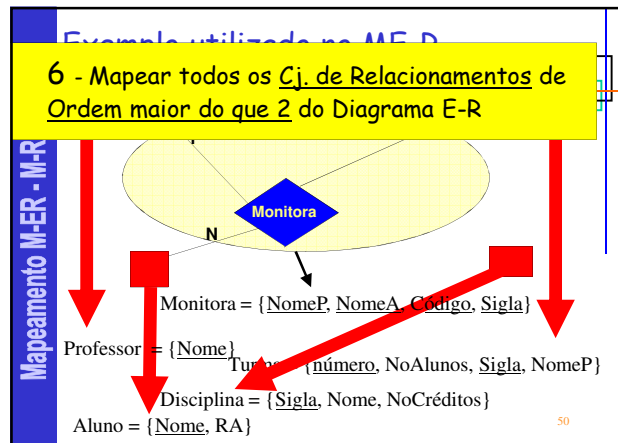
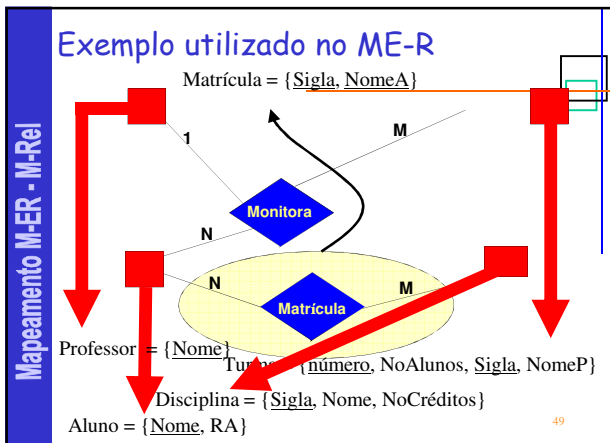












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