

# Um Catálogo de Boas Práticas, Erros Sintáticos e Semânticos em Modelos BPMN

Baseado no trabalho de graduação da aluna:

Cynthia Raphaella da Rocha Franco

Orientador(a): *Prof<sup>a</sup> Dr<sup>a</sup> Carla Taciana Lima  
Lourenço Silva Schuenemann*

# Objetivo

- Apresentar catálogo de erros cometidos por modeladores de processos de negócio inexperientes na notação BPMN.
- Possui 21 erros:
  - 07 erros sintáticos
  - 11 erros semânticos
  - 03 boas práticas
- Esse trabalho ajudará no aprendizado de iniciantes na notação BPMN, além de guia para avaliação de modelos.

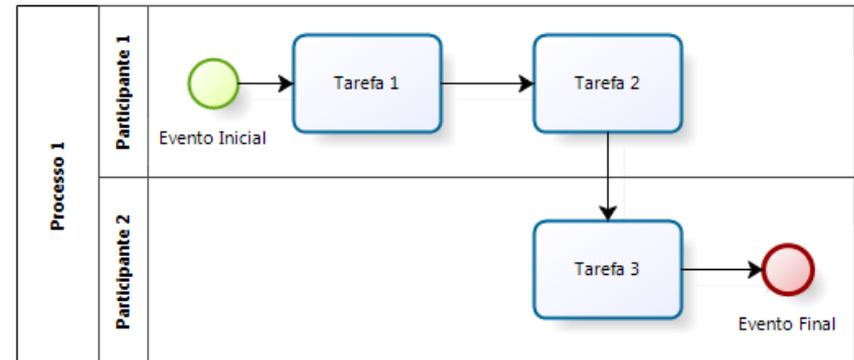
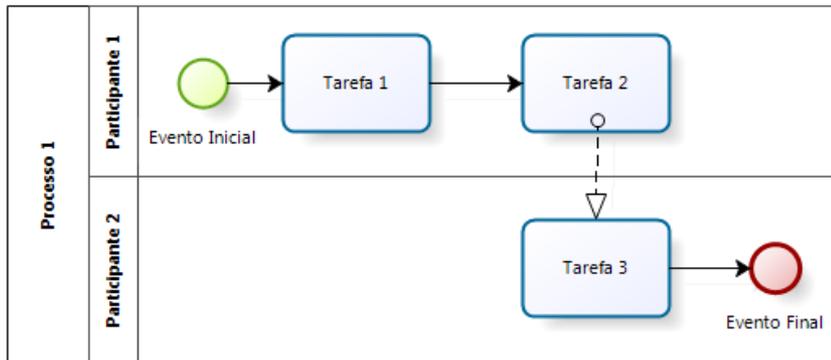
07 erros listados, páginas 32 à 38 [FRANCO, 2014].

# **ERROS SINTÁTICOS**

# ESI01 – Uso de fluxo de mensagem entre raias

Errado

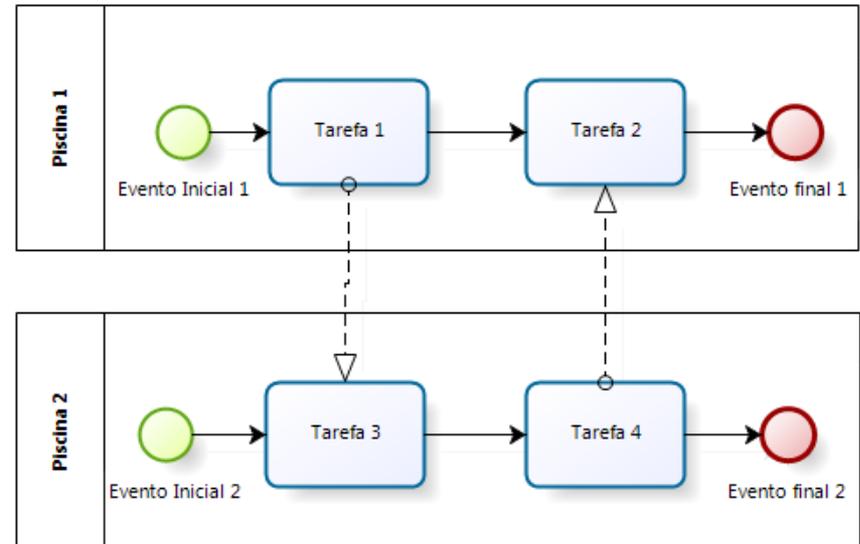
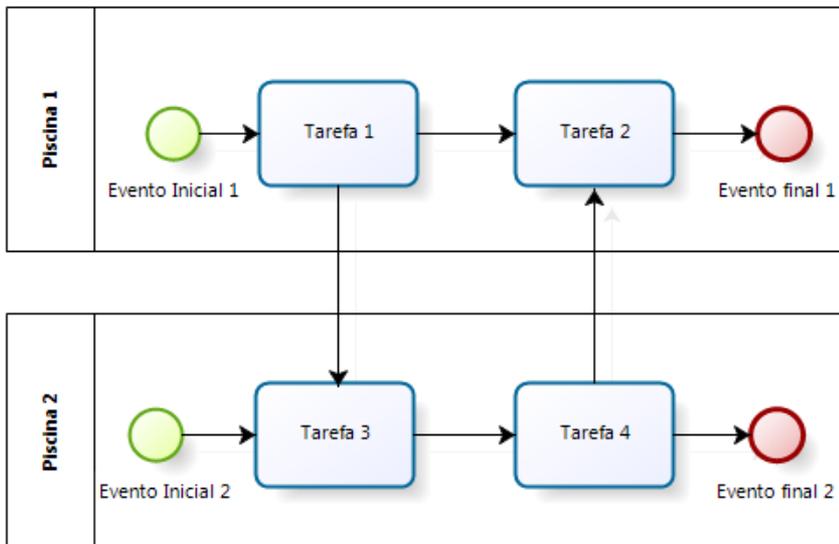
Correto



# ESI02 – Uso de um fluxo de sequência entre piscinas

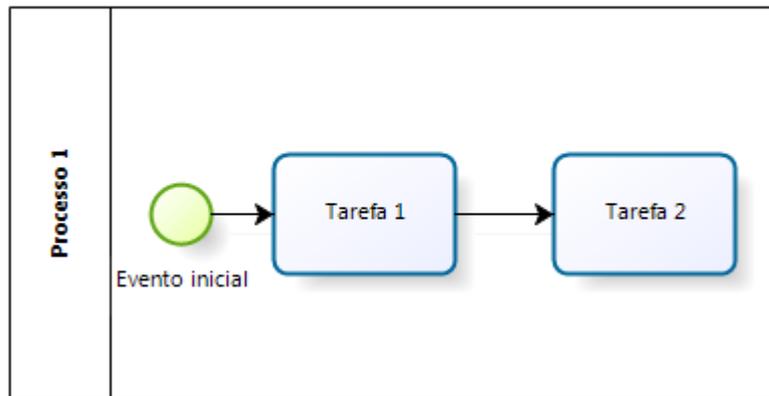
Errado

Correto

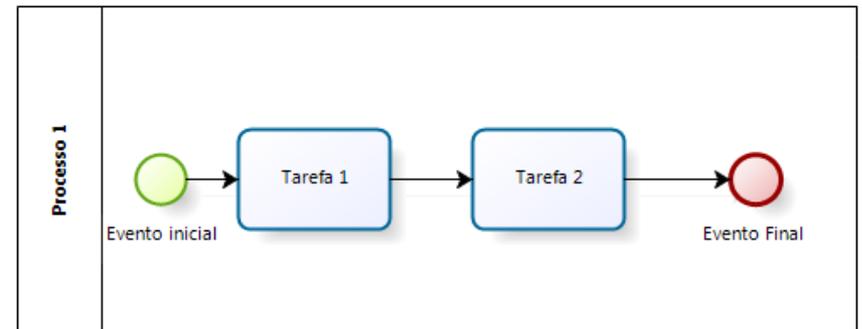


# ESI03 – Evento de início definido sem um evento final

Errado



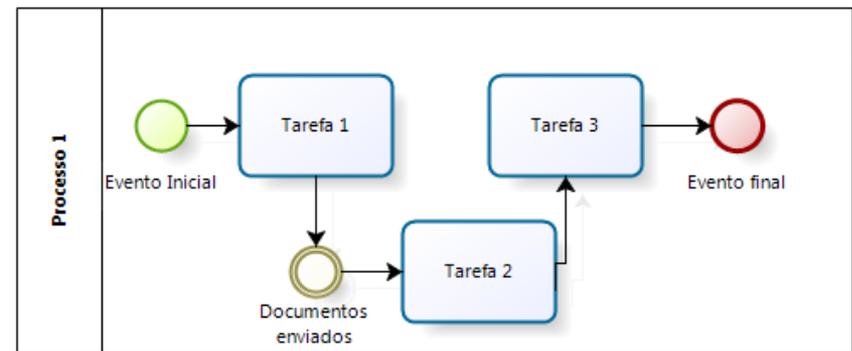
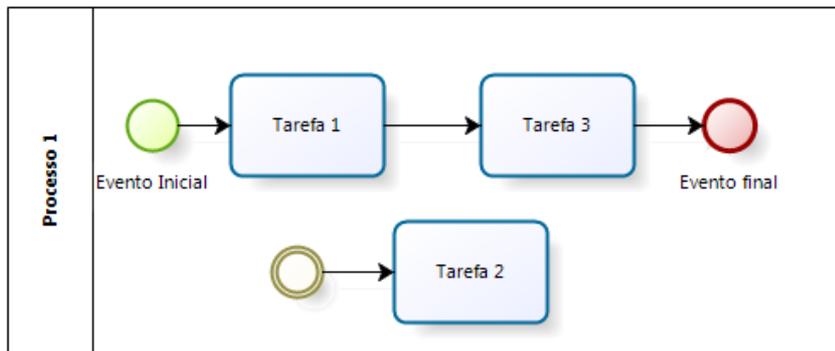
Correto



# ESI04 – Evento intermediário genérico usado fora do fluxo

Errado

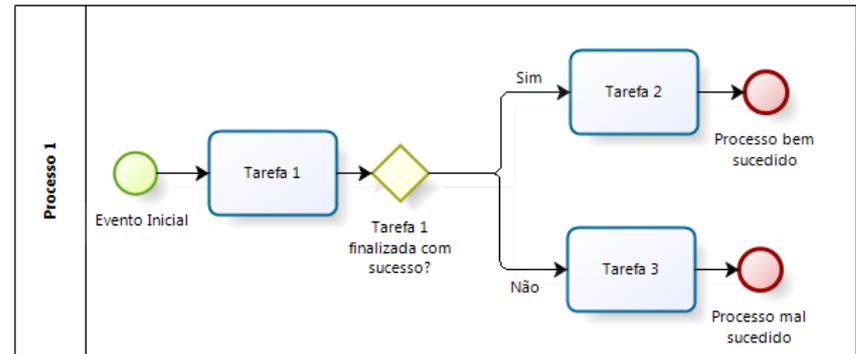
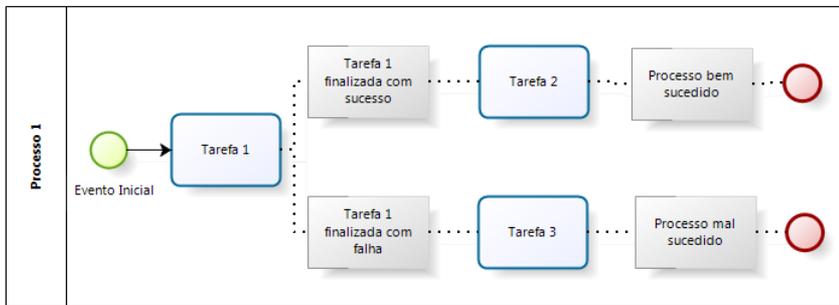
Correto



# ESI05 – Anotações definindo fluxo do processo

Errado

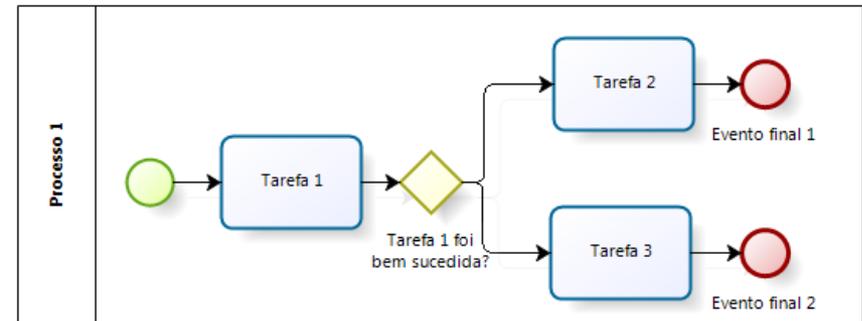
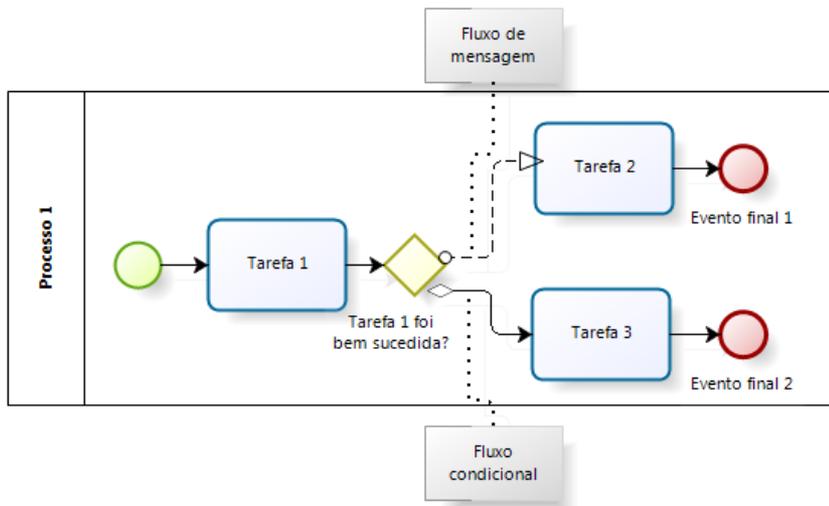
Correto



# ESI06 – Gateway conectado por um fluxo diferente do de sequência

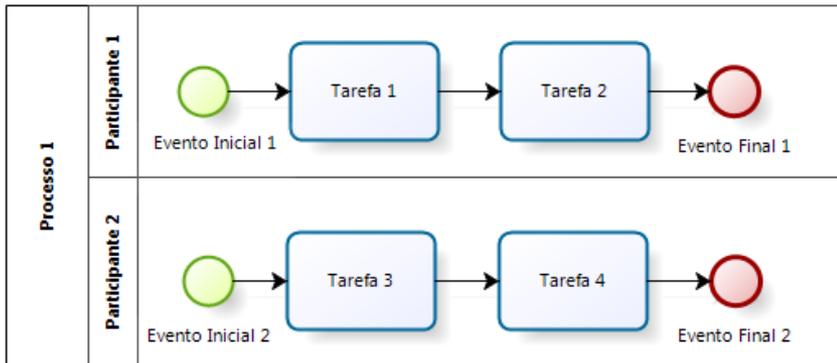
Errado

Correto

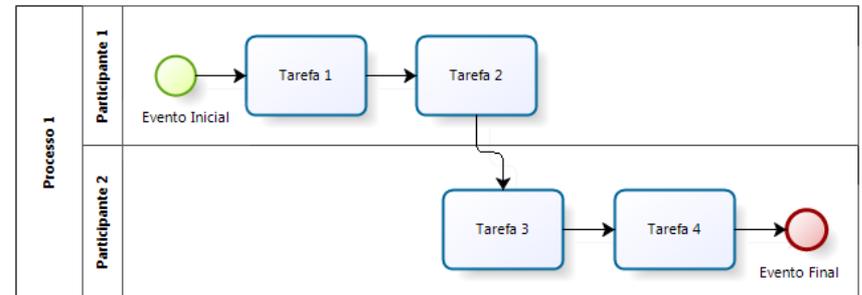


# ESI07 – Cada raia tem um evento de início

Errado



Correto

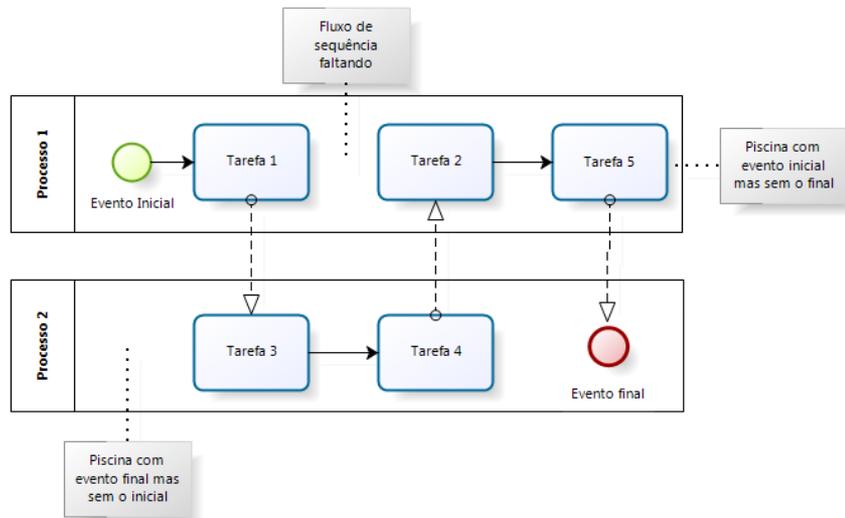


11 erros listados, páginas 38 à 48 [FRANCO, 2014].

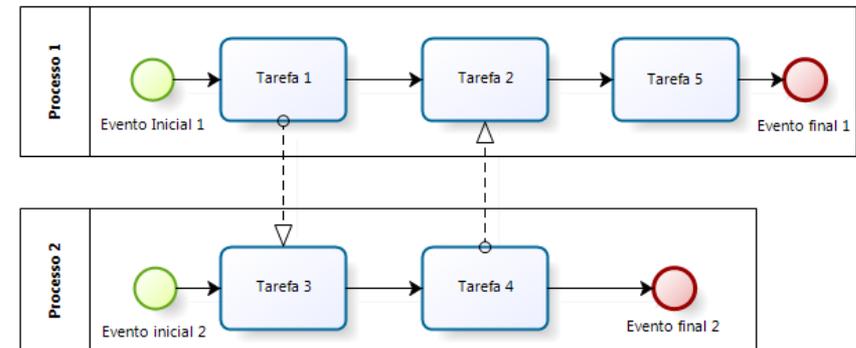
# **ERROS SEMÂNTICOS**

# ESE01 – Emprego do fluxo de mensagem substituindo objetos de fluxo

Errado



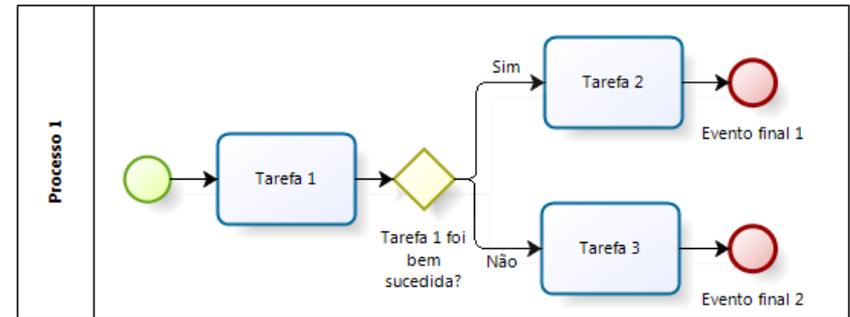
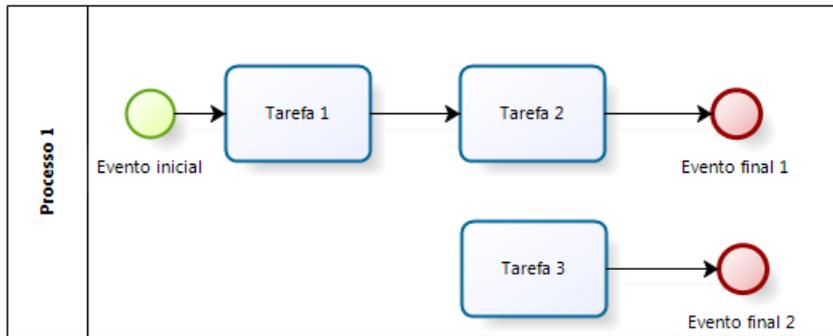
Correto



# ESE02 – Tarefa desconectada do resto do processo

Errado

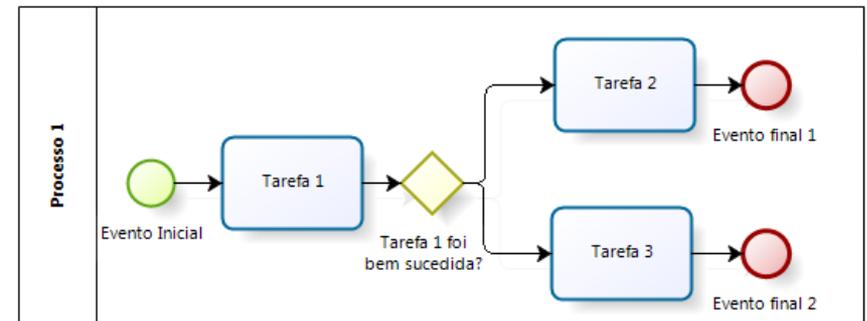
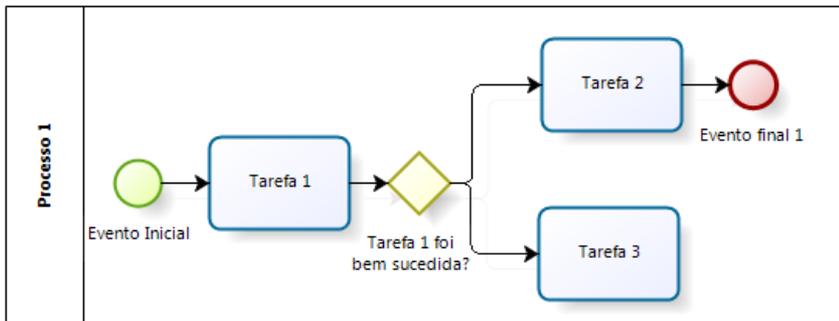
Correto



# ESE03 – Tarefa não é continuada

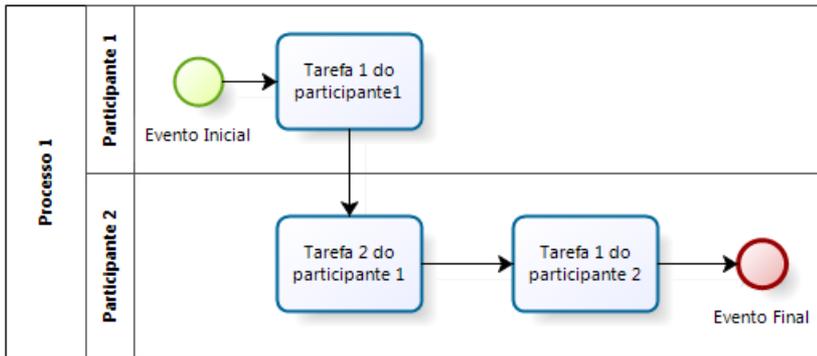
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Correto

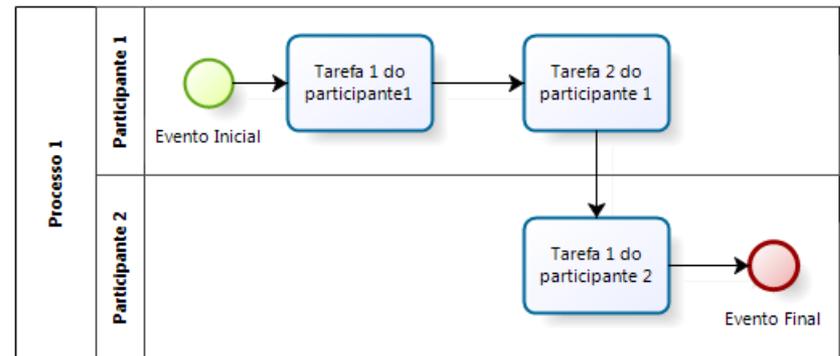


# ESE04 – Tarefa na raia do participante errado

Errado



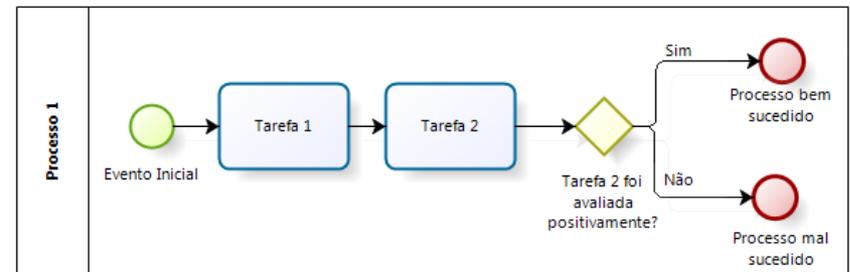
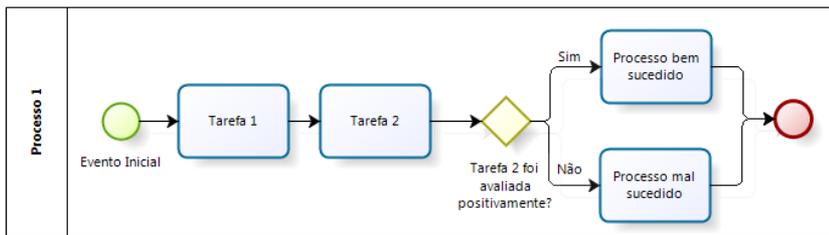
Correto



# ESE05 – Modelar o fim do processo como uma tarefa

Errado

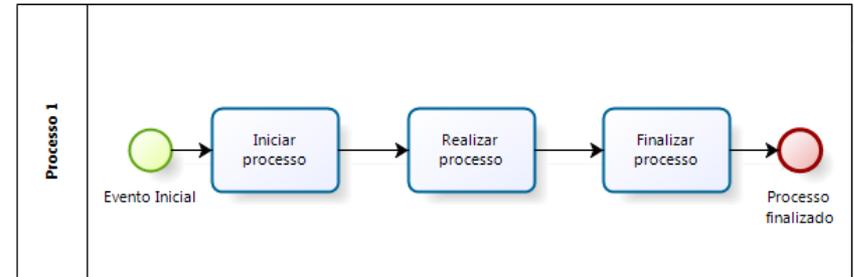
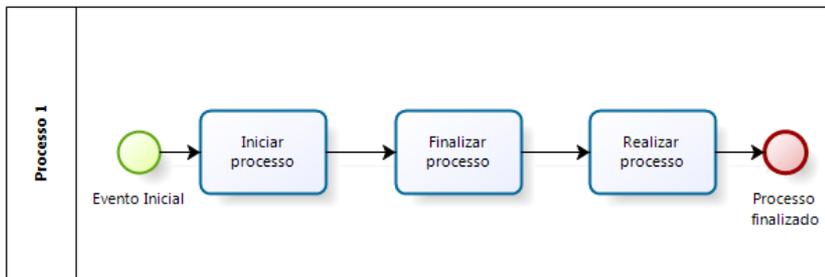
Correto



# ESE06 – Tarefa fora da sequência lógica

Errado

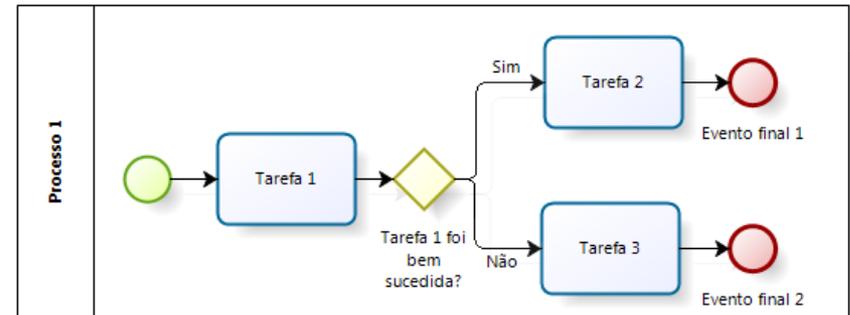
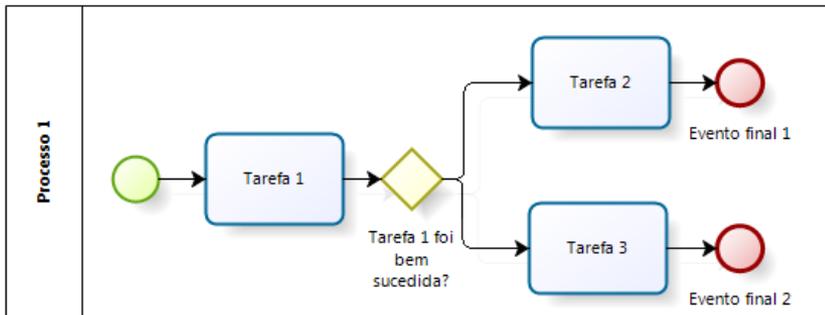
Correto



# ESE07 – Fluxos de saída do gateway exclusivo sem rótulo

Errado

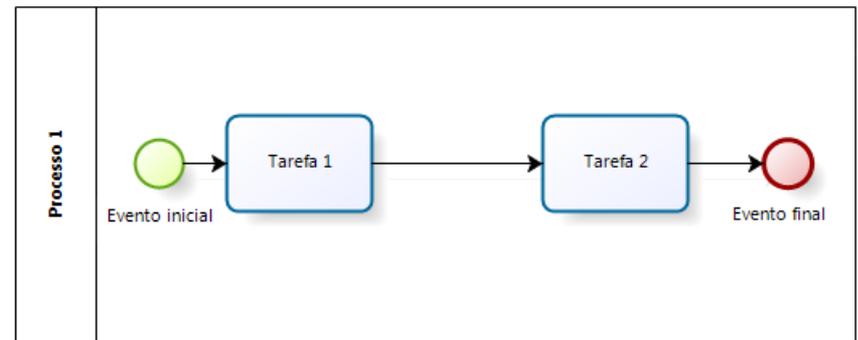
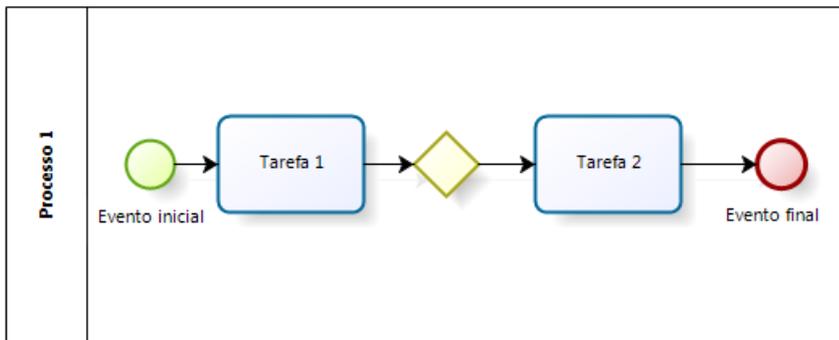
Correto



# ESE08 – Gateway com apenas um fluxo

Errado

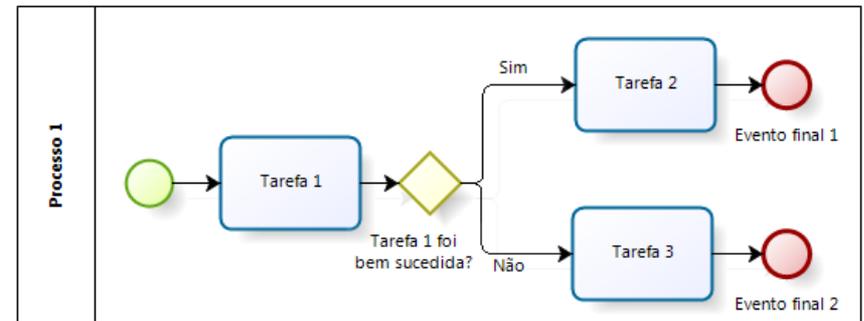
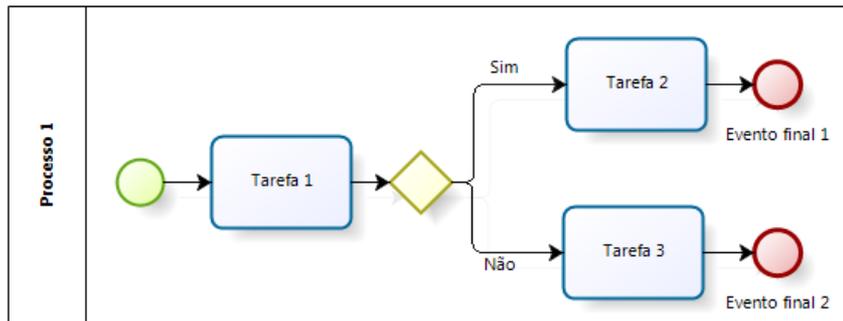
Correto



# ESE09 – Gateway exclusivo sem rótulo com a decisão a ser tomada

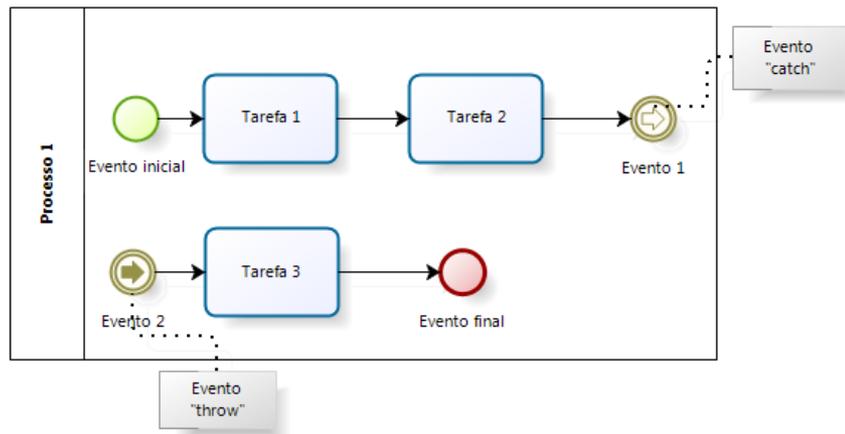
Errado

Correto

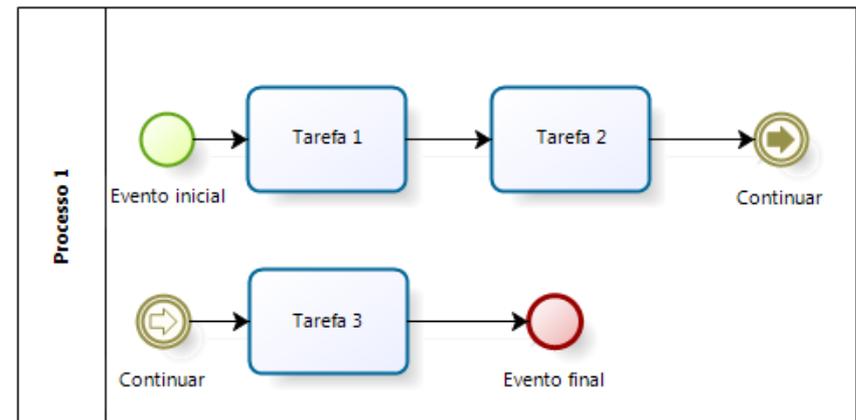


# ESE10 – Eventos de link sendo usados incorretamente

Errado

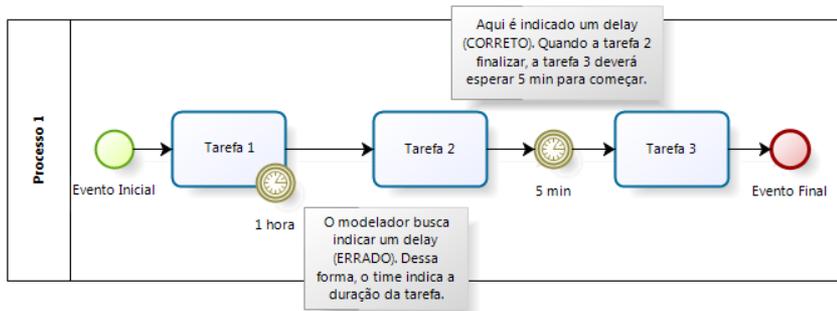


Correto

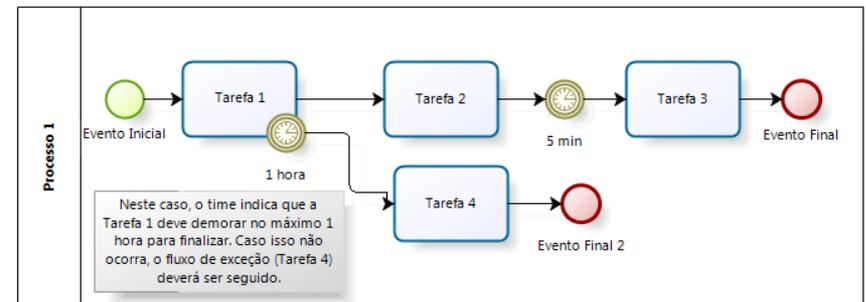


# ESE11 – Uso incorreto dos eventos de *time*

## Errado



## Correto



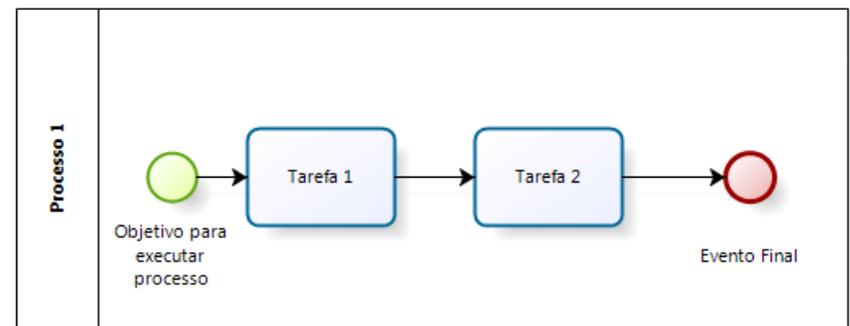
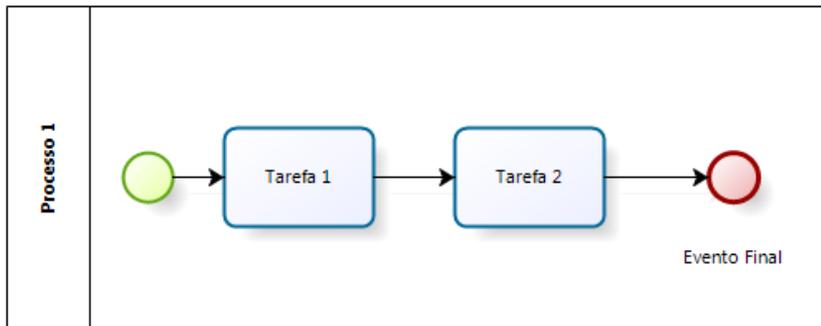
03 boas práticas listadas, páginas 48 à 50 [FRANCO, 2014].

# **BOAS PRÁTICAS**

# BP01 – Evento de início com rótulo

Errado

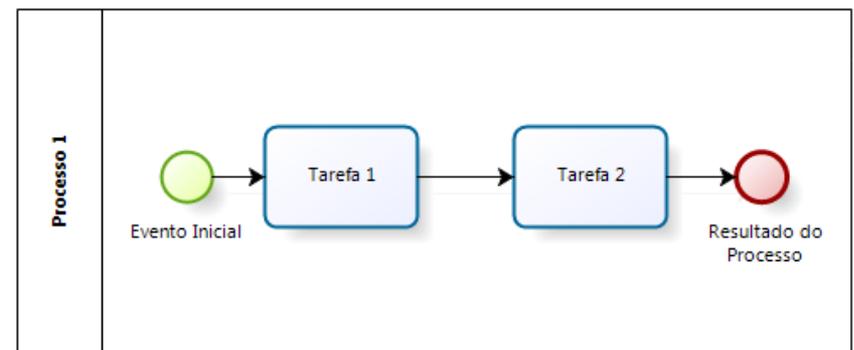
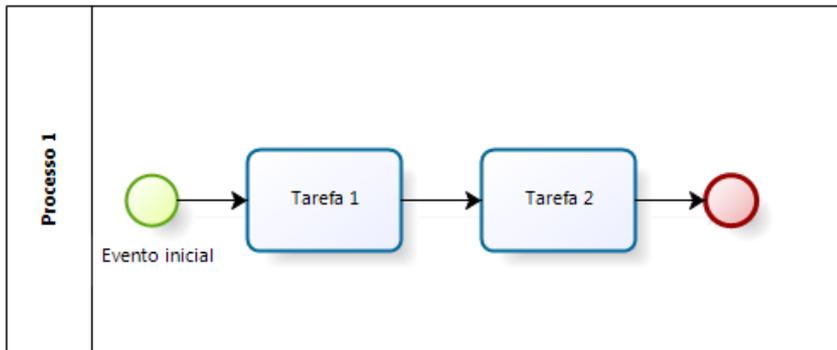
Correto



# BP02 – Evento final com rótulo

Errado

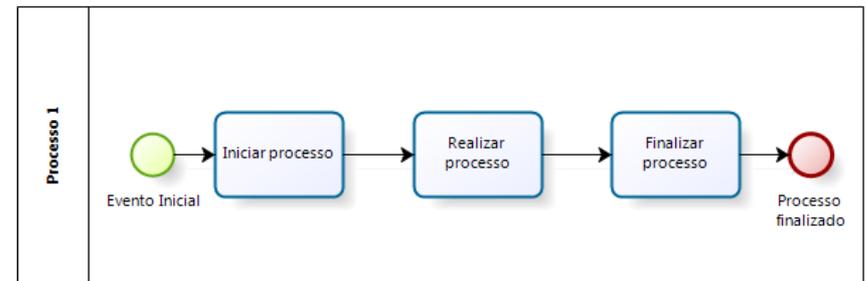
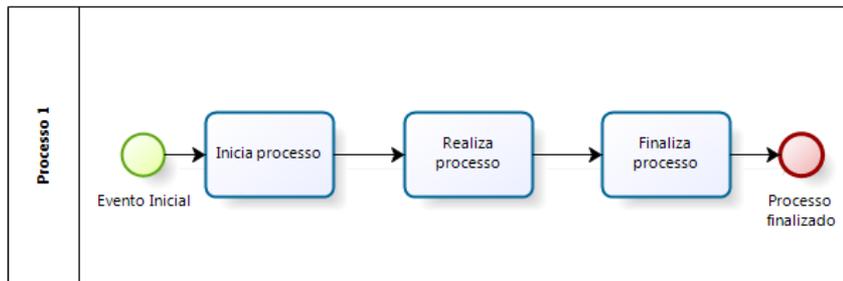
Correto



# BP03 – Empregar o infinitivo no nome de uma tarefa

Errado

Correto



# Considerações Finais

- Apresentou um lista de erros e boas práticas para ajudar na modelagem com BPMN.
- Fornecer aos modeladores inexperientes em BPMN um material para facilitar seu aprendizado na notação.
- Auxilia na avaliação da qualidade dos modelos já criados.

# Referência

- [FRANCO, 2014] FRANCO, Cynthia Raphaella da Rocha. Um Catálogo de Boas práticas, erros sintáticos e semânticos em modelos BPMN. Trabalho de Graduação. Centro de Informática – Cin/UFPE. Março de 2014.
- Disponível em:
  - <http://www.cin.ufpe.br/~if716/material.php>
  - [www.cin.ufpe.br/~tg/2013-2/crrf.pdf](http://www.cin.ufpe.br/~tg/2013-2/crrf.pdf)
  - <https://sites.google.com/site/carlotcha/orientacoes-concluidas/TG%20-%20Cynthia%20Raphaella.pdf?attredirects=0&d=1>