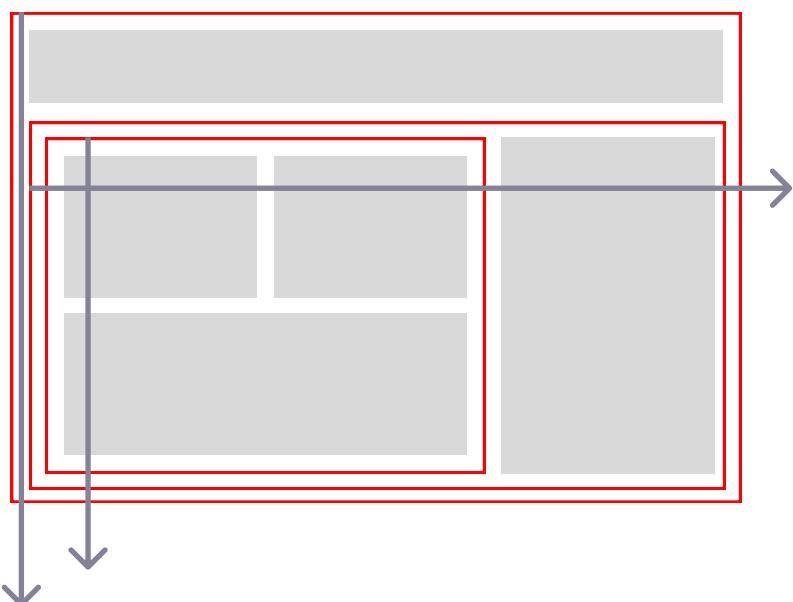


- ▶ Introdução

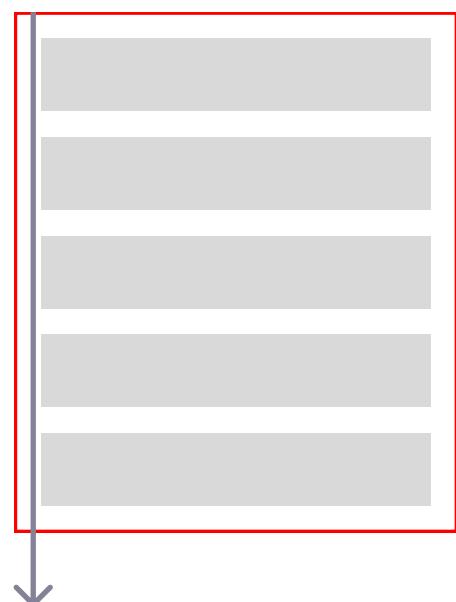
Diferença entre Flexbox e CSS Grid

CSS Flexbox – Unidirecional (fluxo) – Foco em UI Componet

Layout



UI Component



CSS Grid – Bidimensional (Grade) – Foco em Layouts

Layout



UI Component



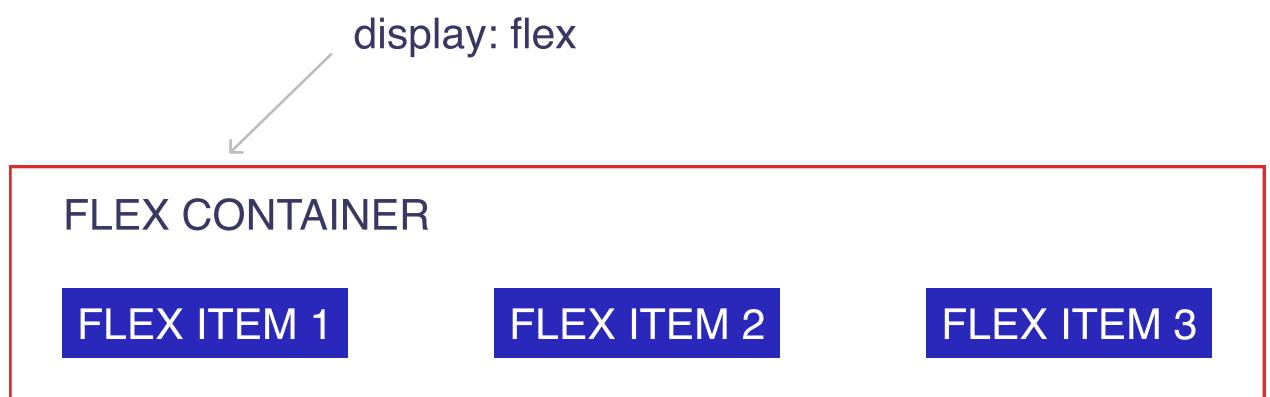
- Flex Container

Display Block

DIV { display: block }

- Flex Container

Display Flex

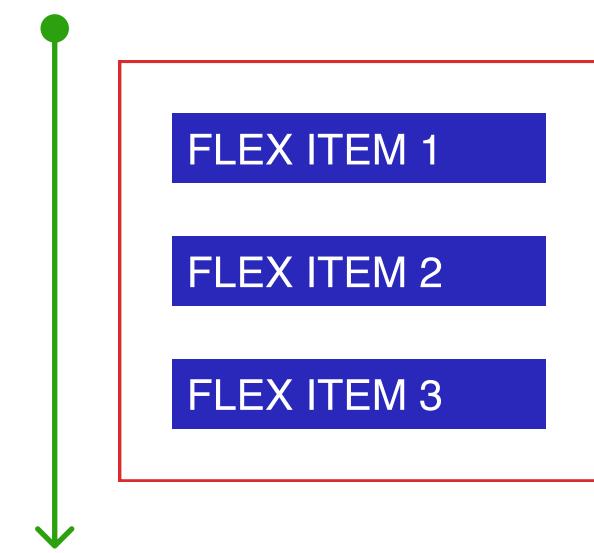


- Flex Container

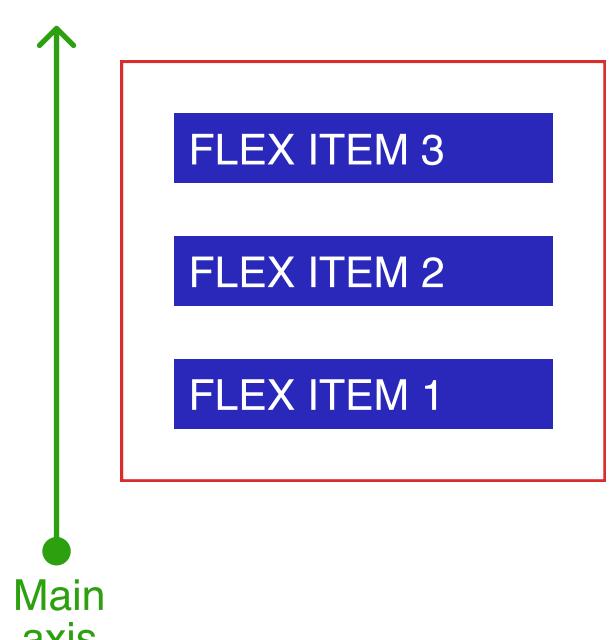
Flex-direction (row, row-reverse, column, column-reverse)



flex-direction: column



flex-direction: column-reverse



- Flex Container

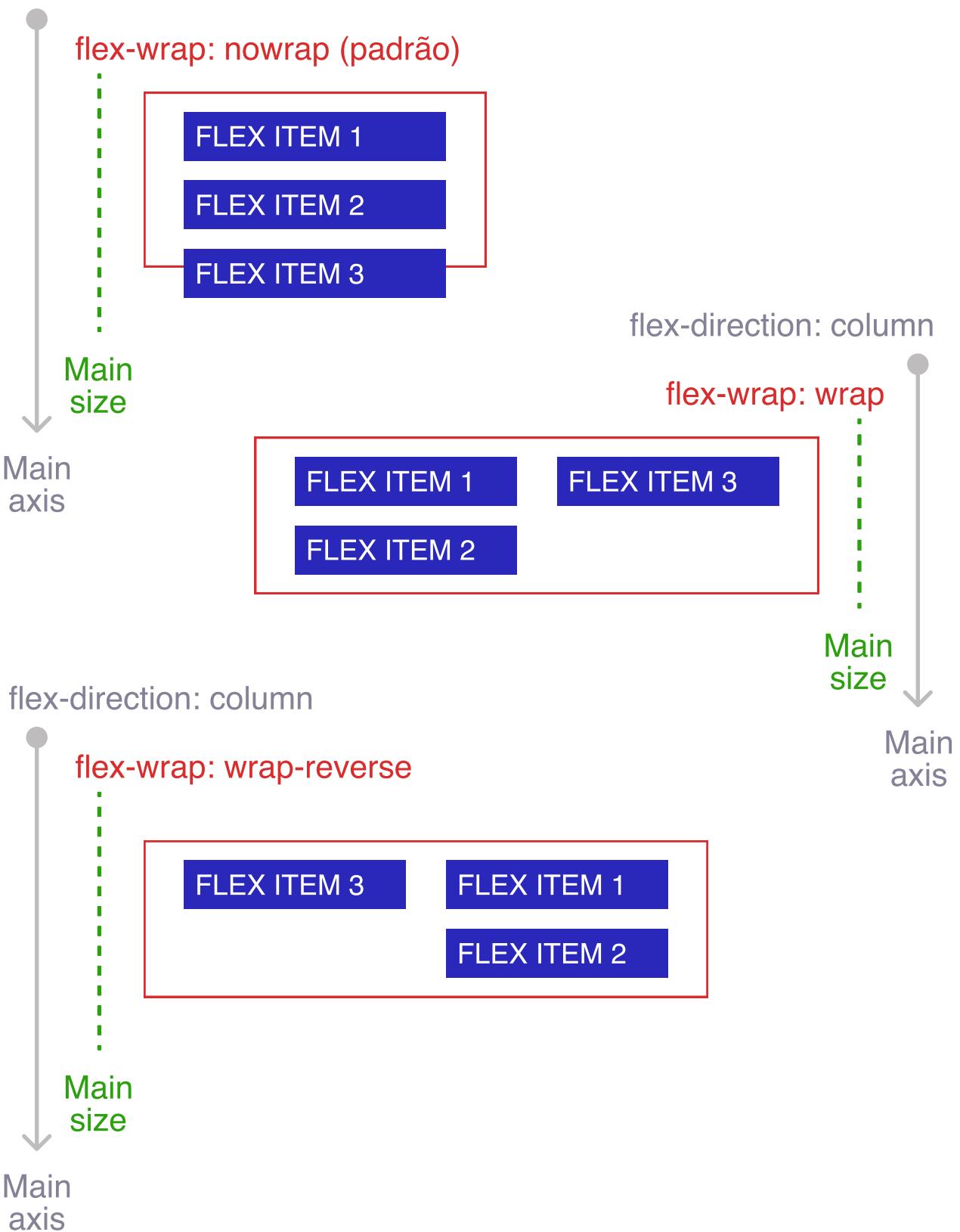
Flex-wrap (nowrap, wrap e wrap-reverse) com flex-direction row



- ▶ Flex Container

Flex-wrap (nowrap, wrap e wrap-reverse) com flex-direction column

flex-direction: column



- Flex Container

Flex-flow (syntax sugar do flex-wrap e flex-direction)

flex-direction



flex-wrap

flex-flow: <flex-direction><flex-wrap>

flex-direction

flex-wrap

nowrap*

row*

wrap

wrap-reverse

nowrap*

row-reverse

wrap

wrap-reverse

flex-flow

nowrap*

column

wrap

wrap-reverse

nowrap*

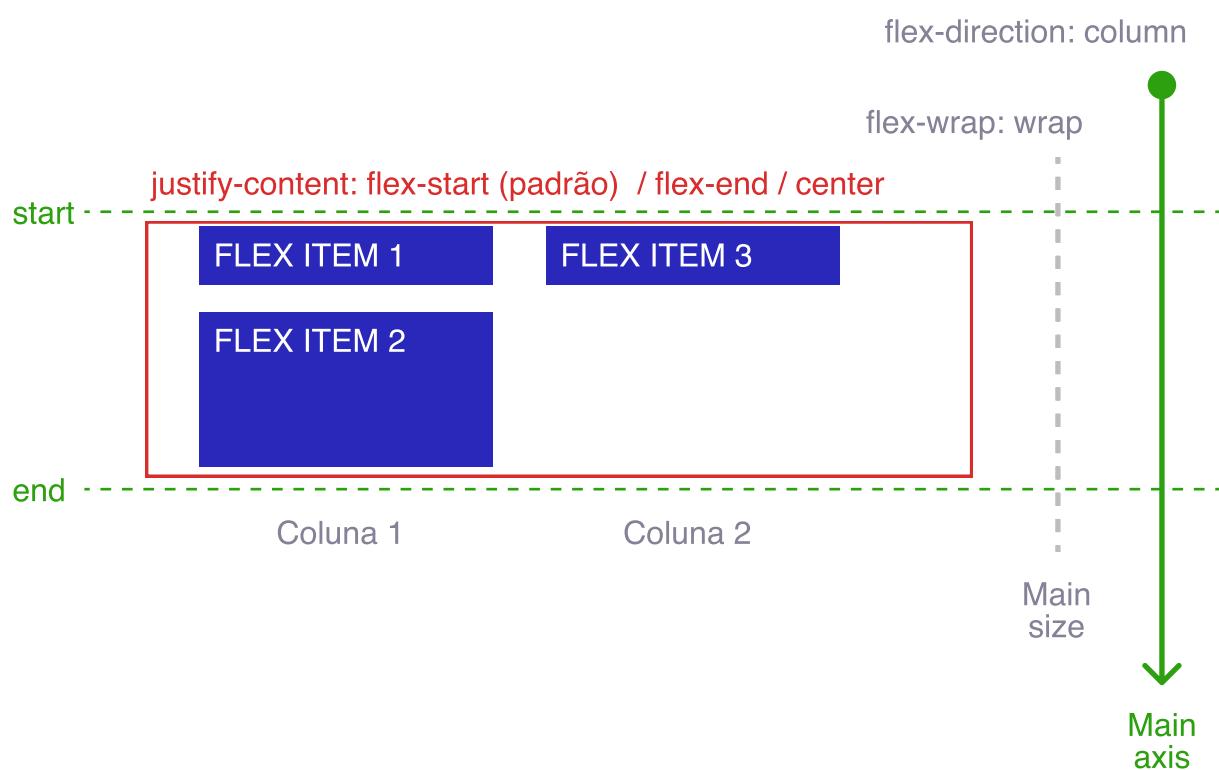
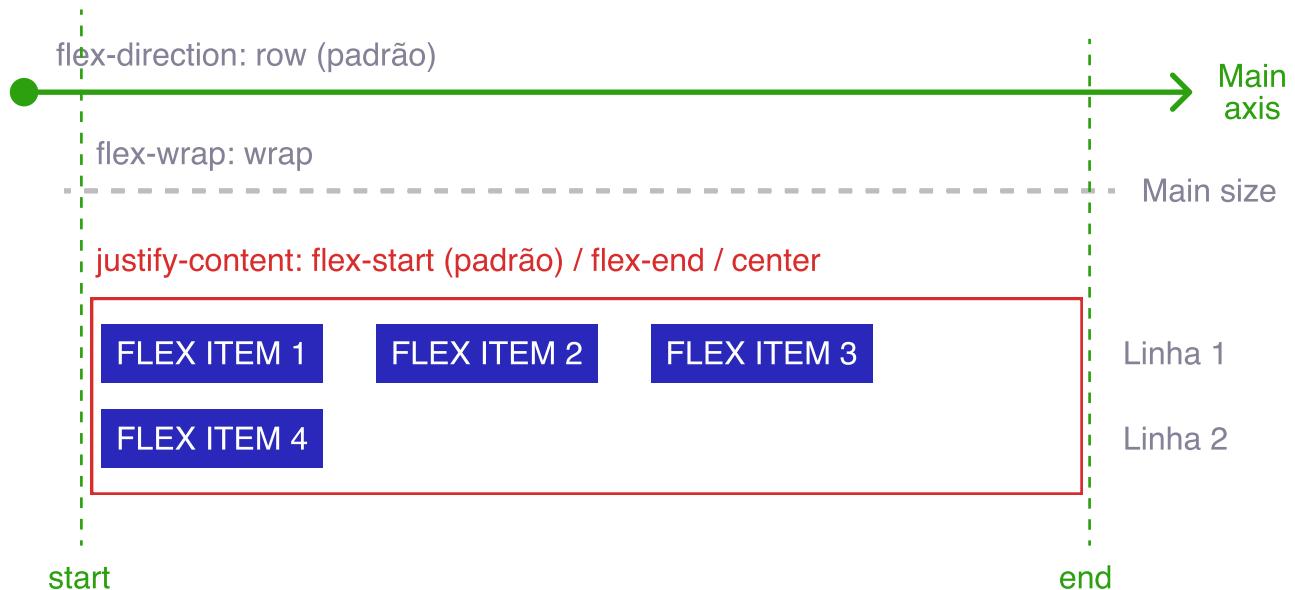
column-reverse

wrap

wrap-reverse

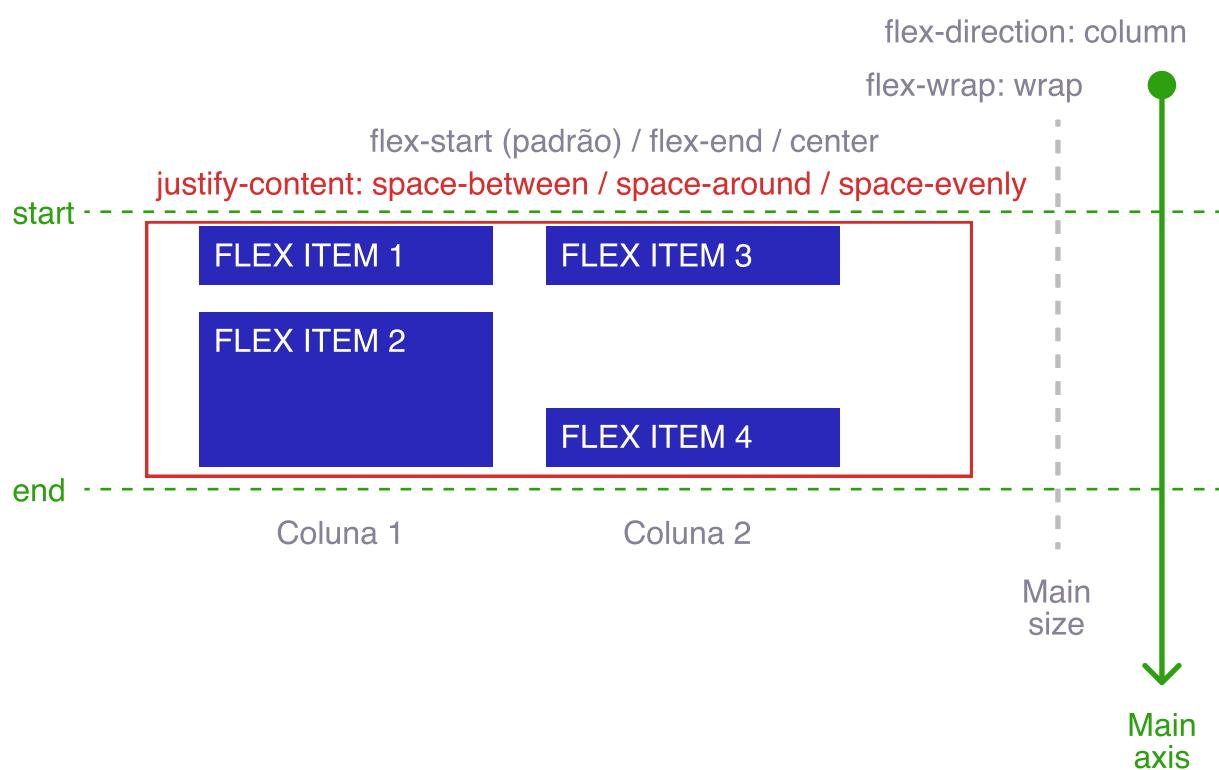
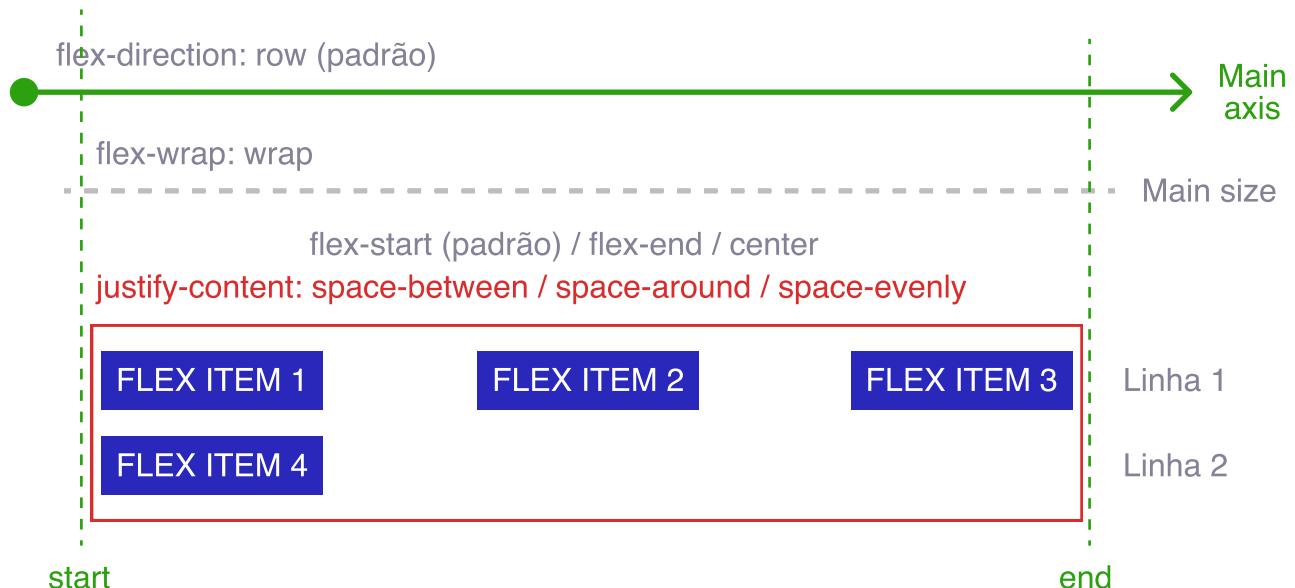
- Flex Container

Justify-content parte 1 – Flex-start, flex-end e center



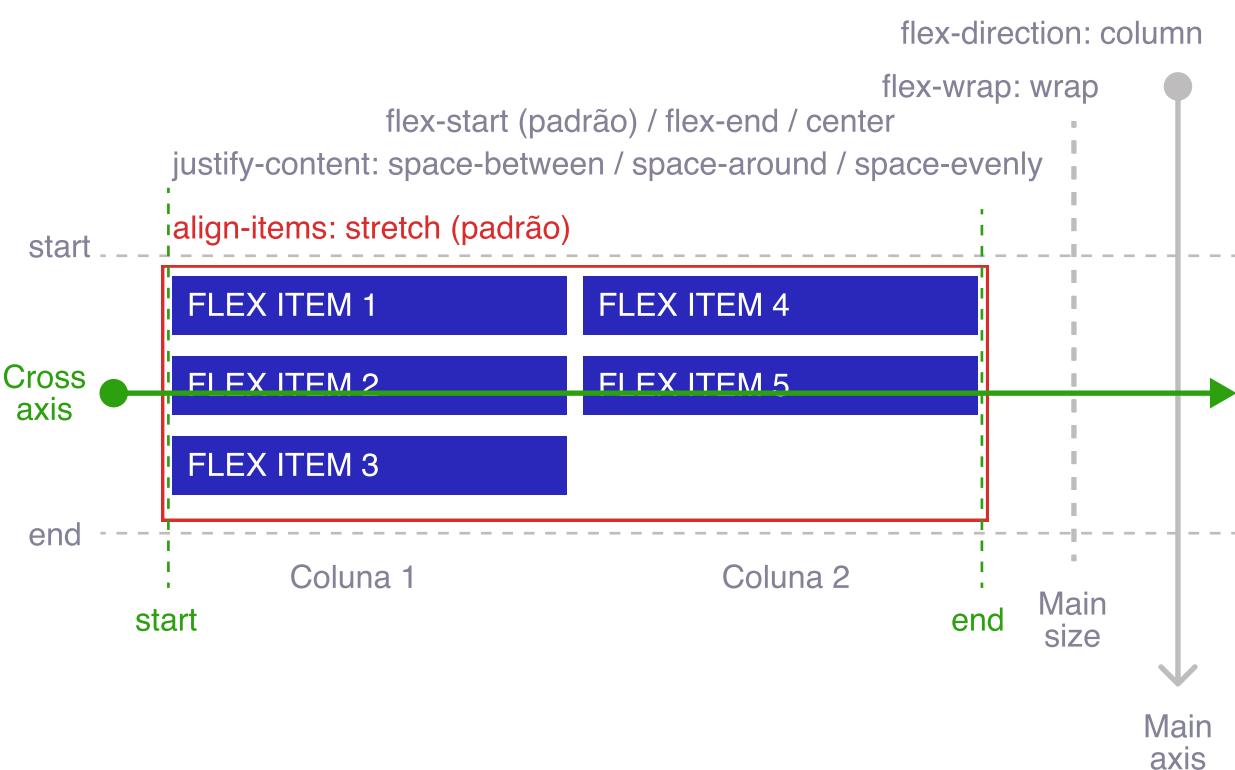
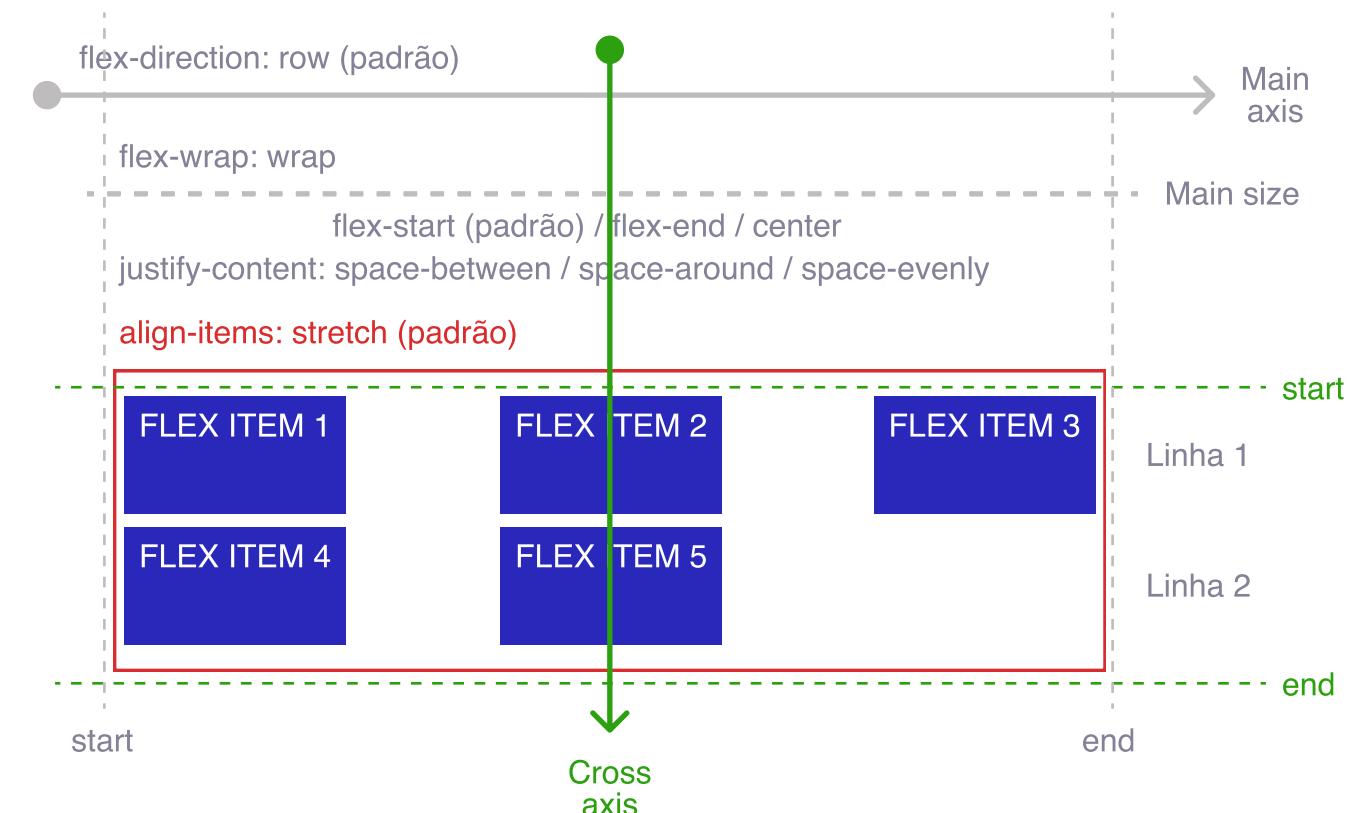
► Flex Container

Justify-content parte 2 – Space-between, space-round e space-evenly



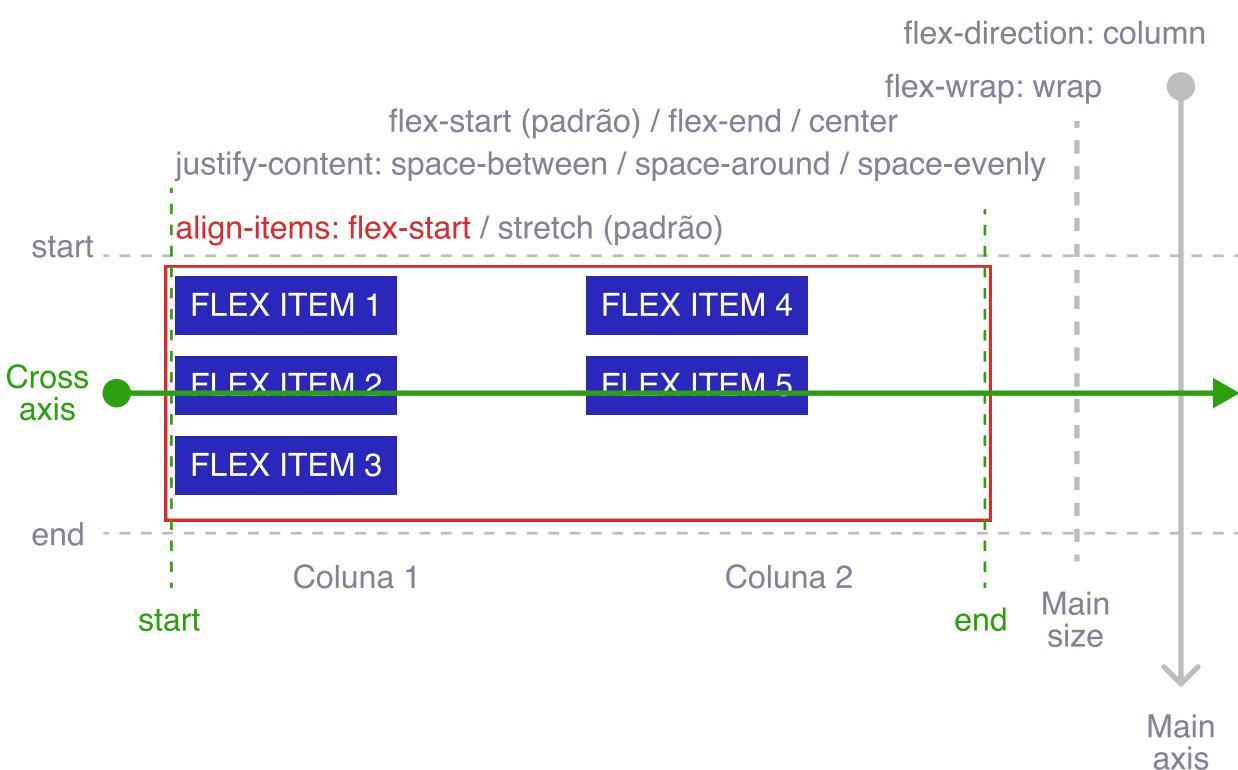
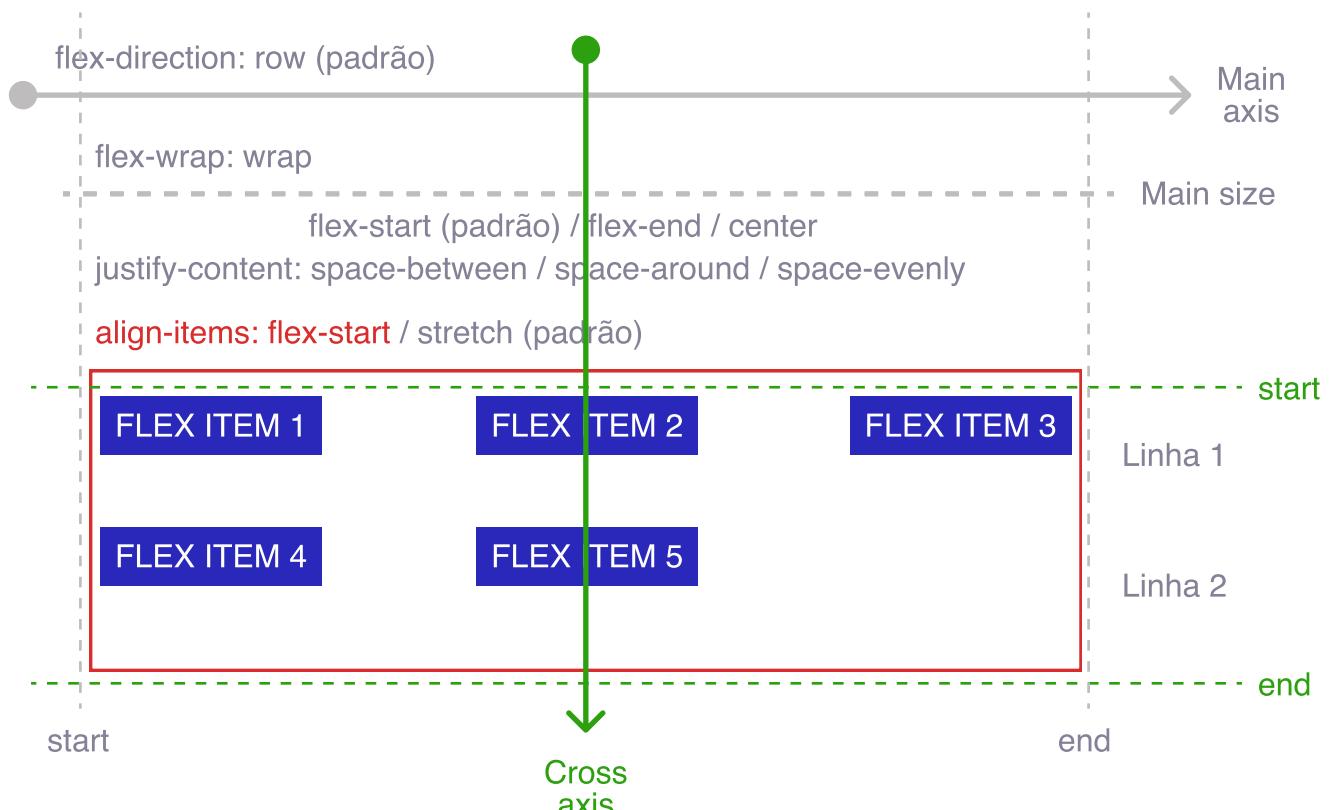
► Flex Container

Align-items parte 1 – Stretch



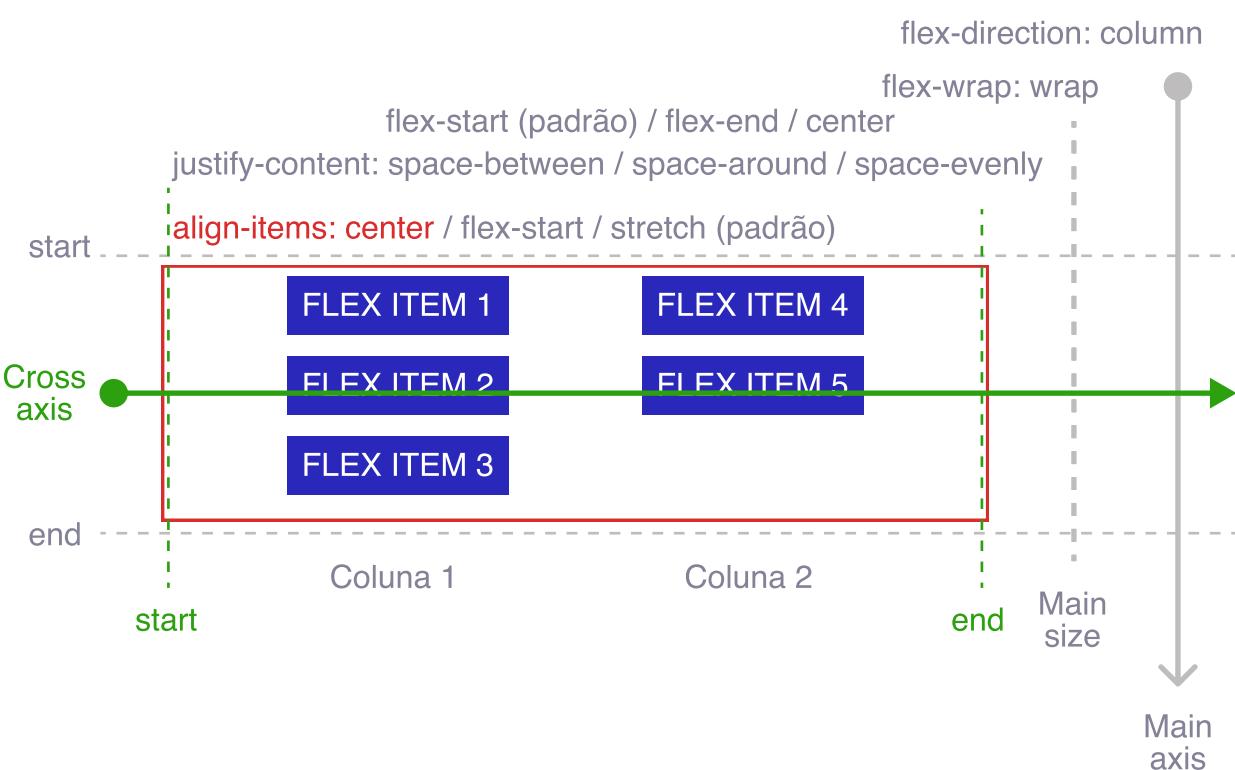
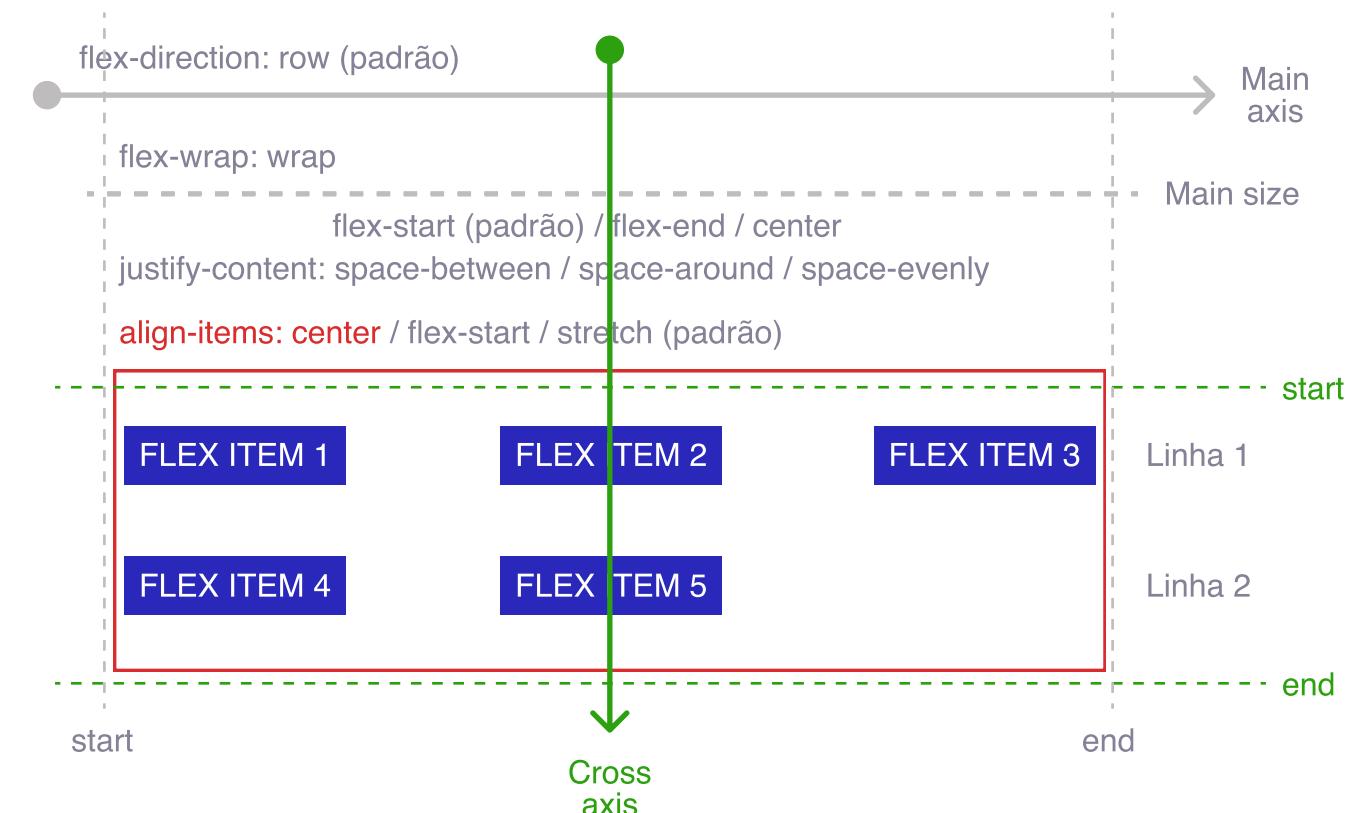
► Flex Container

Align-items parte 2 – Flex-start



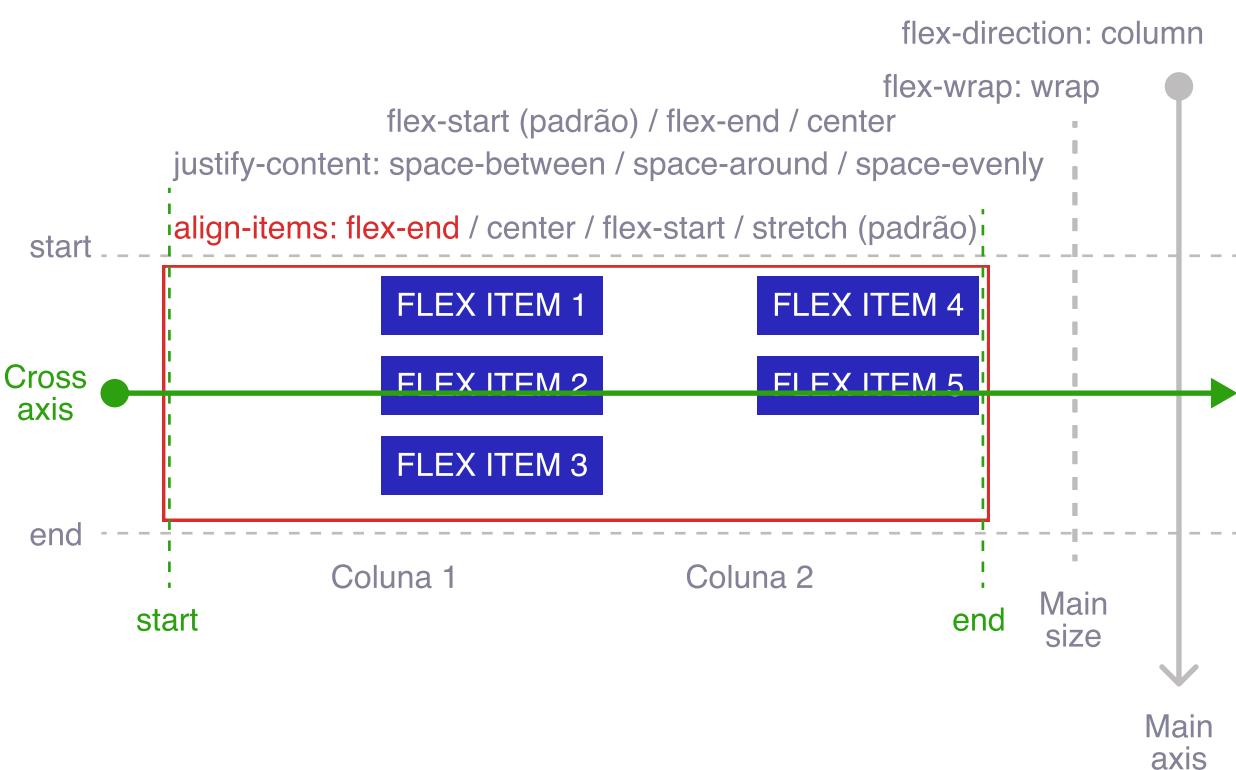
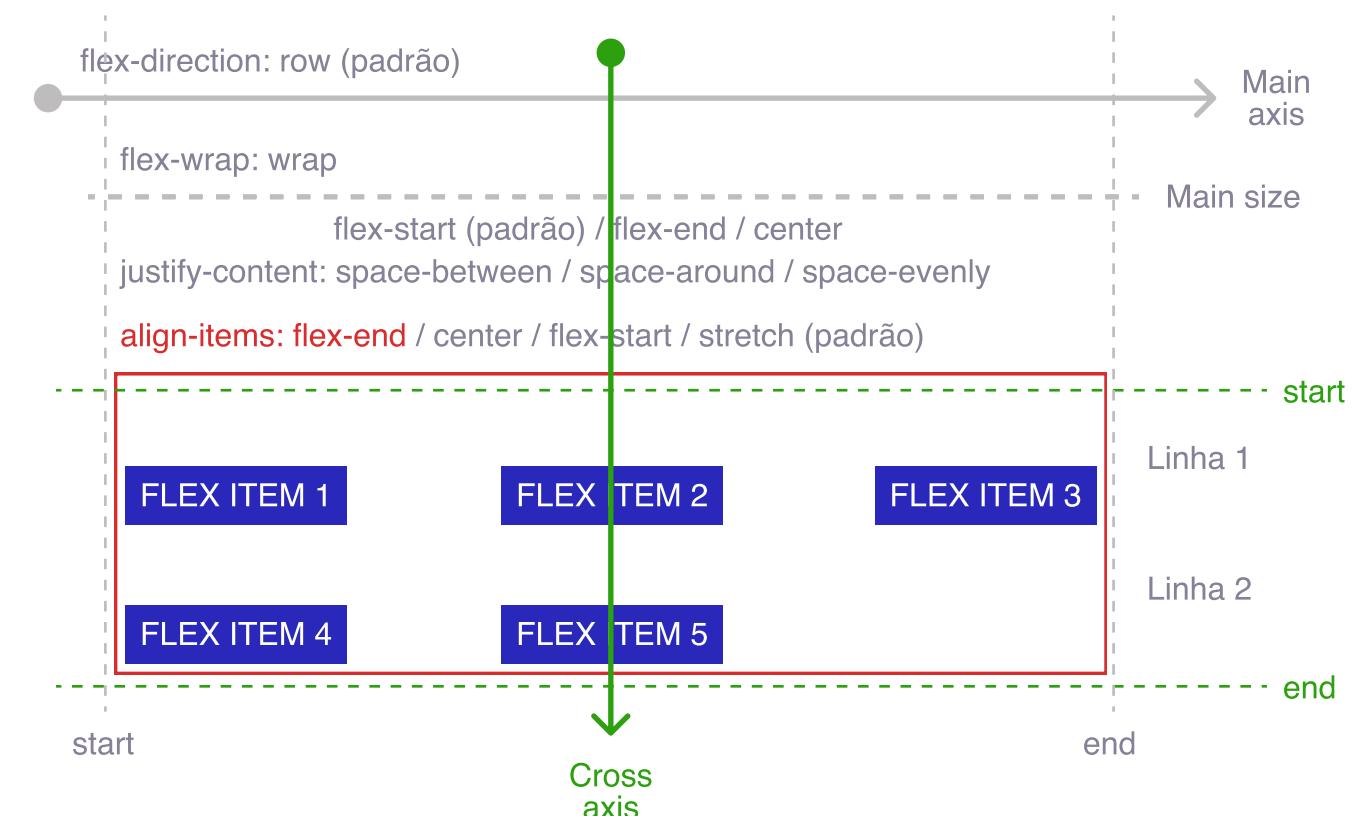
► Flex Container

Align-items parte 3 – Center



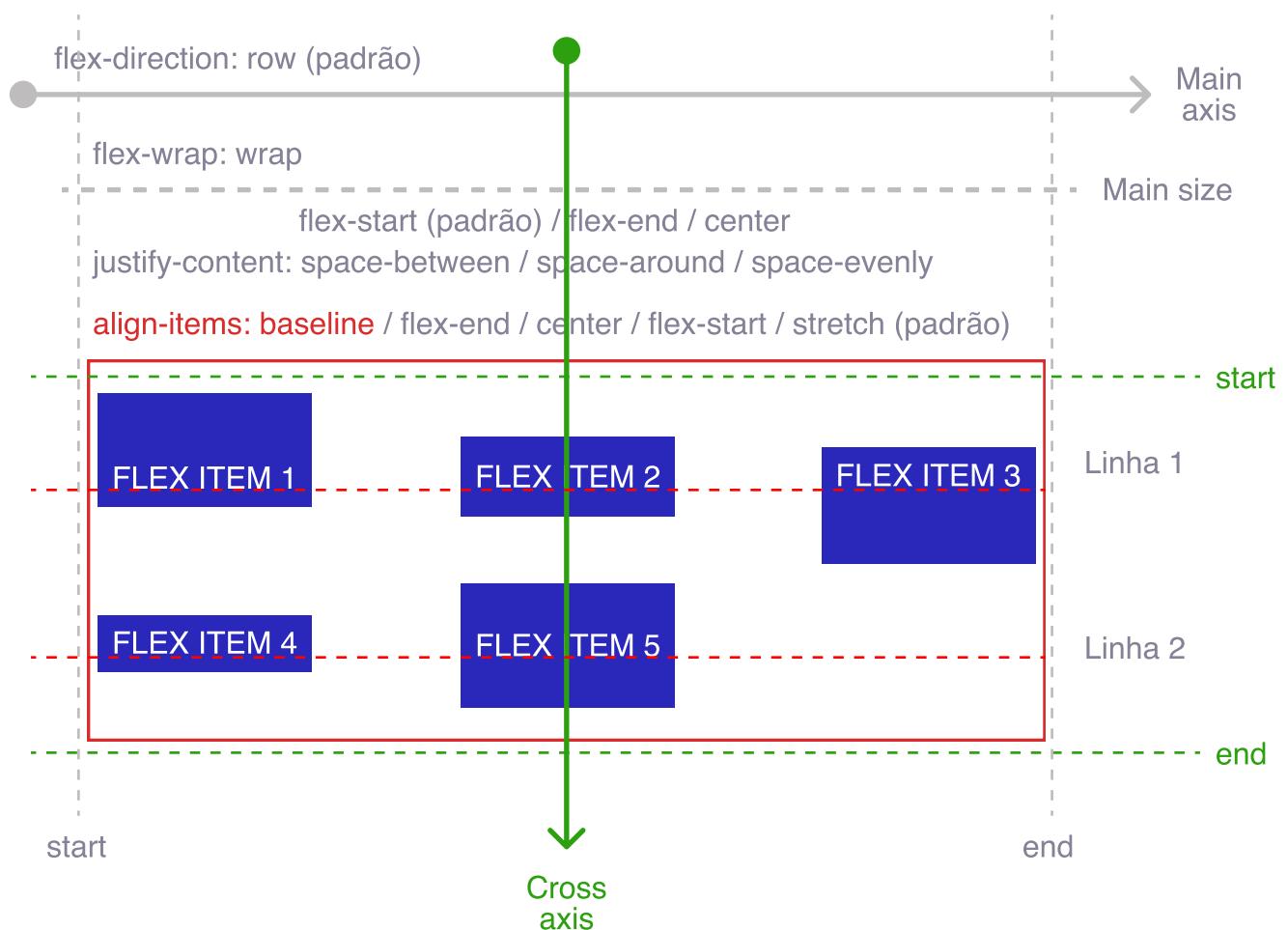
► Flex Container

Align-items parte 4 – Flex-end



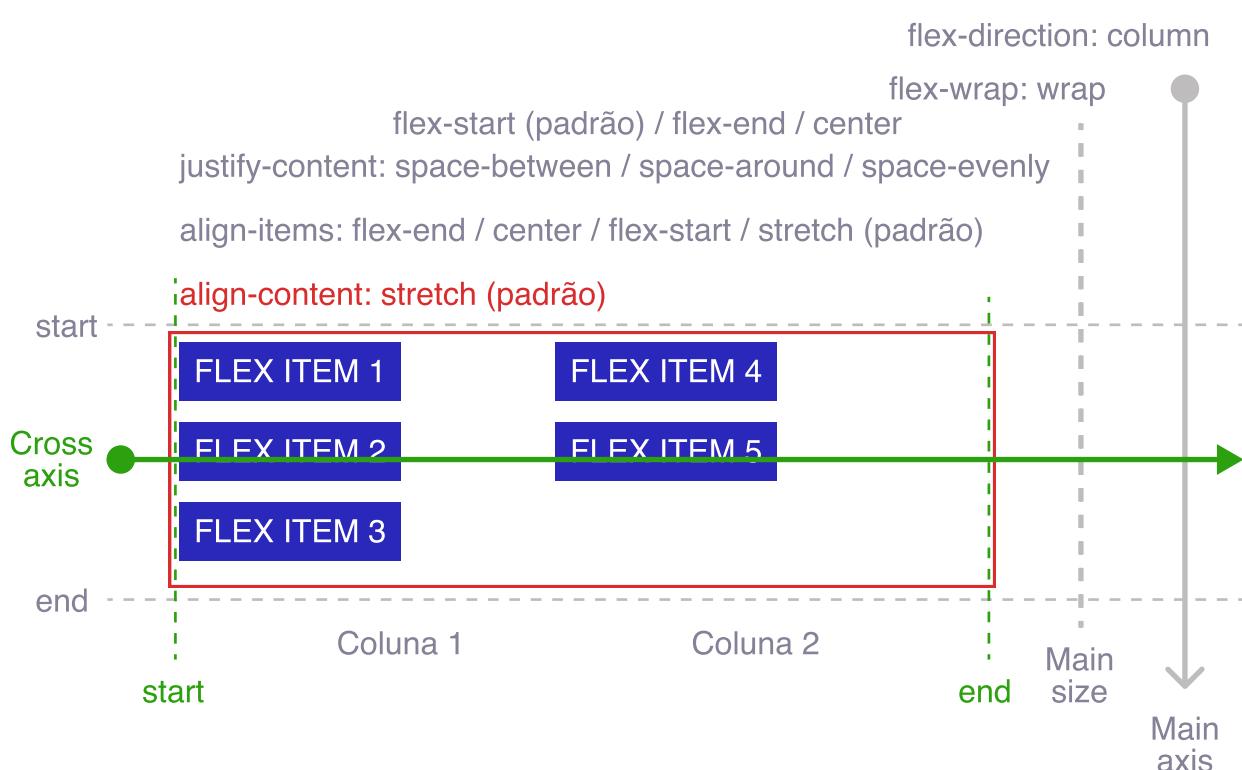
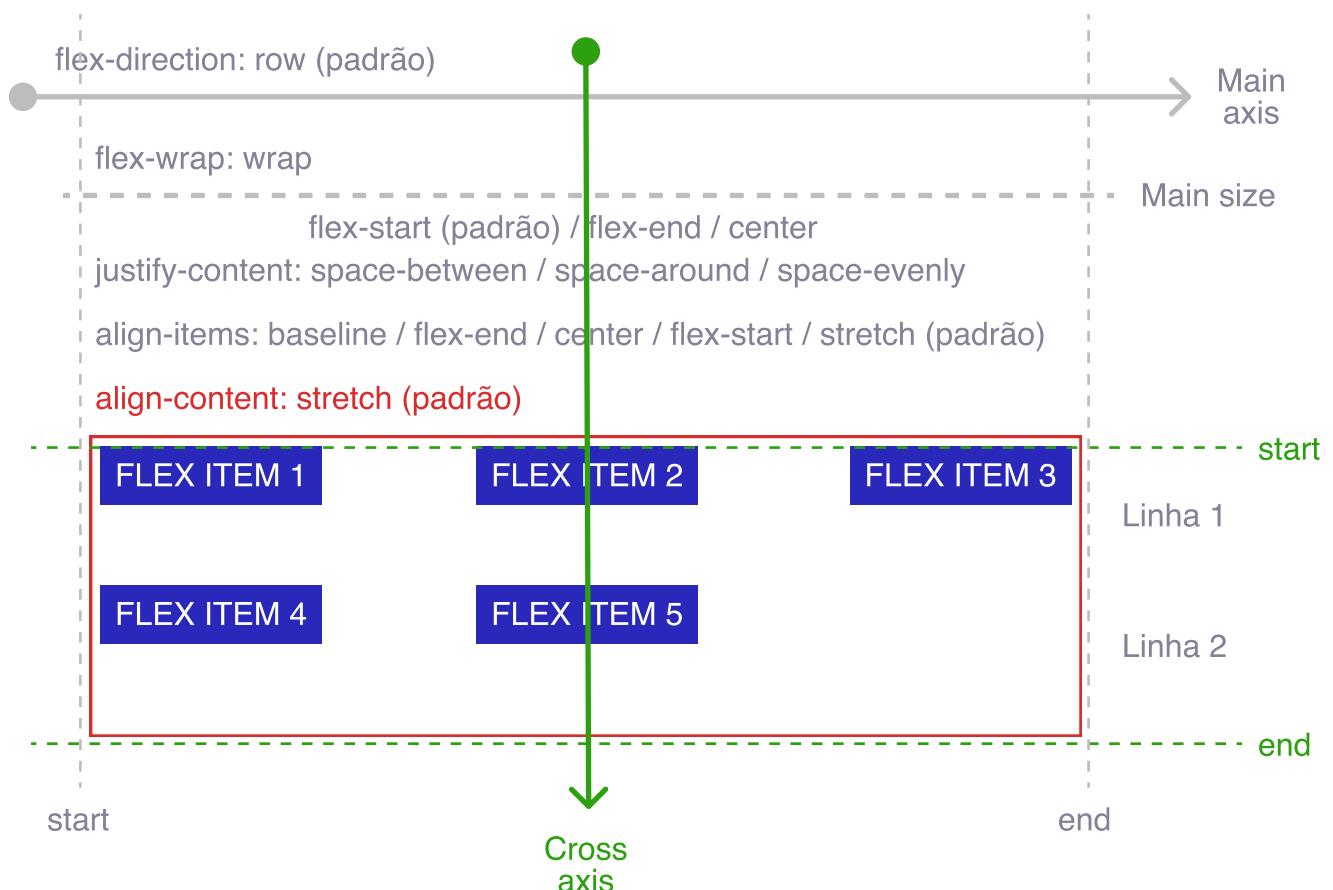
► Flex Container

Align-items parte 5 – Baseline



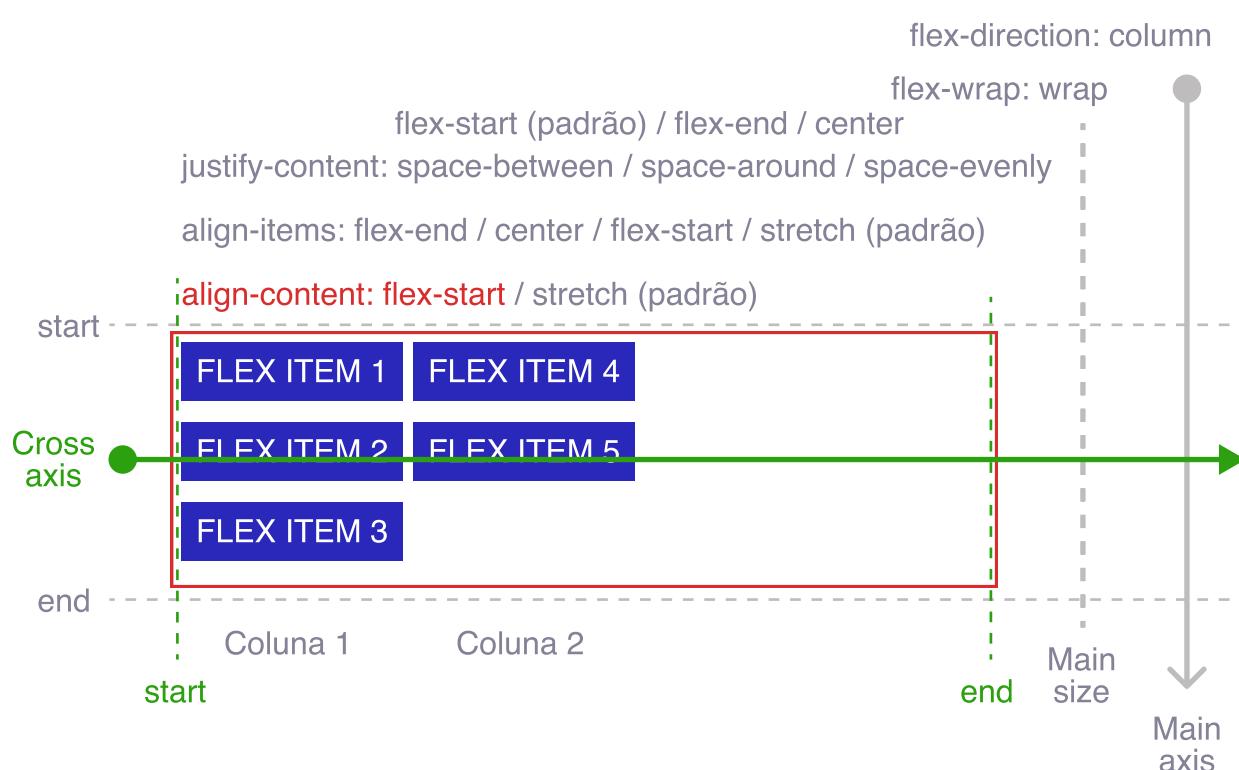
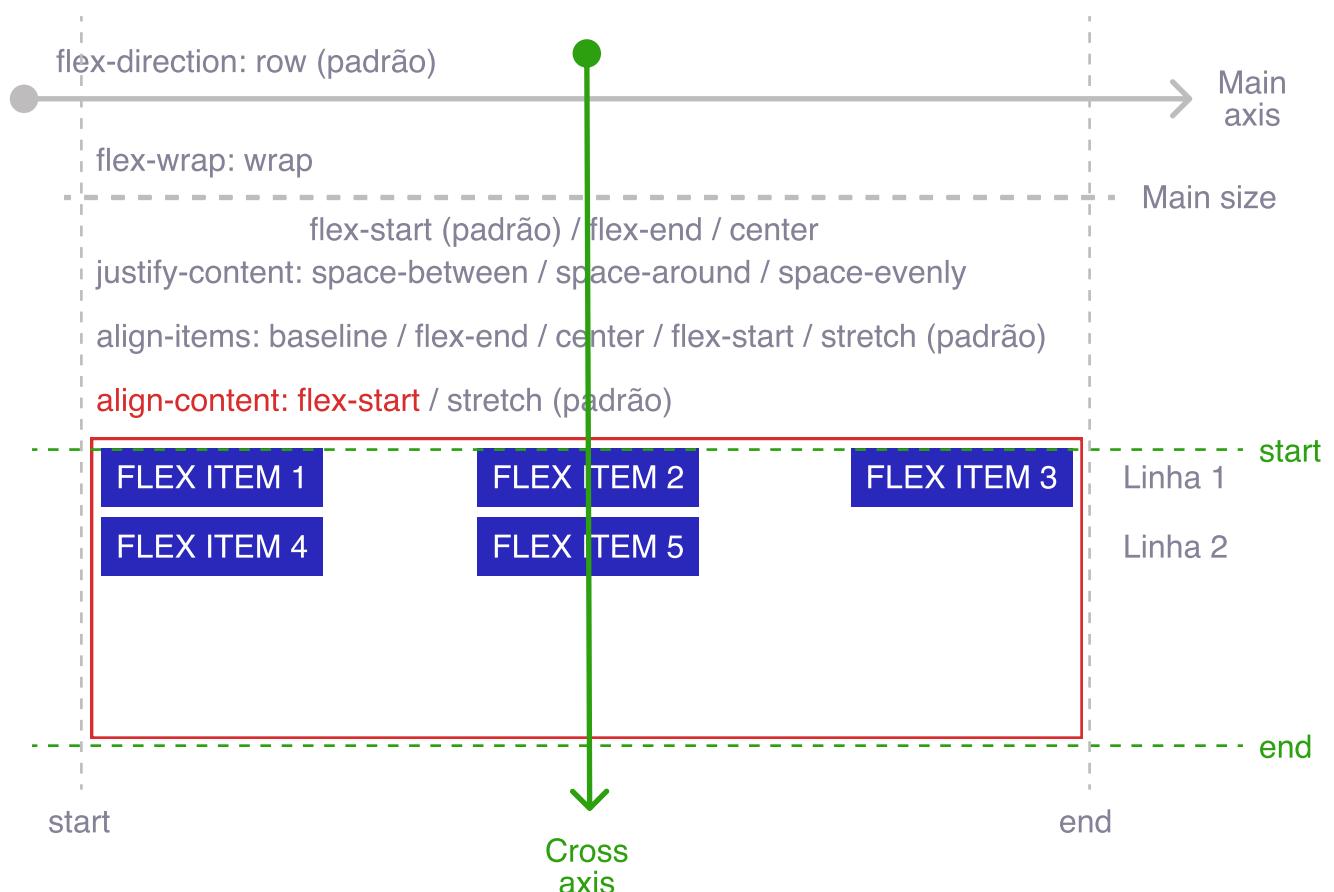
► Flex Container

Align-content parte 1 – Stretch



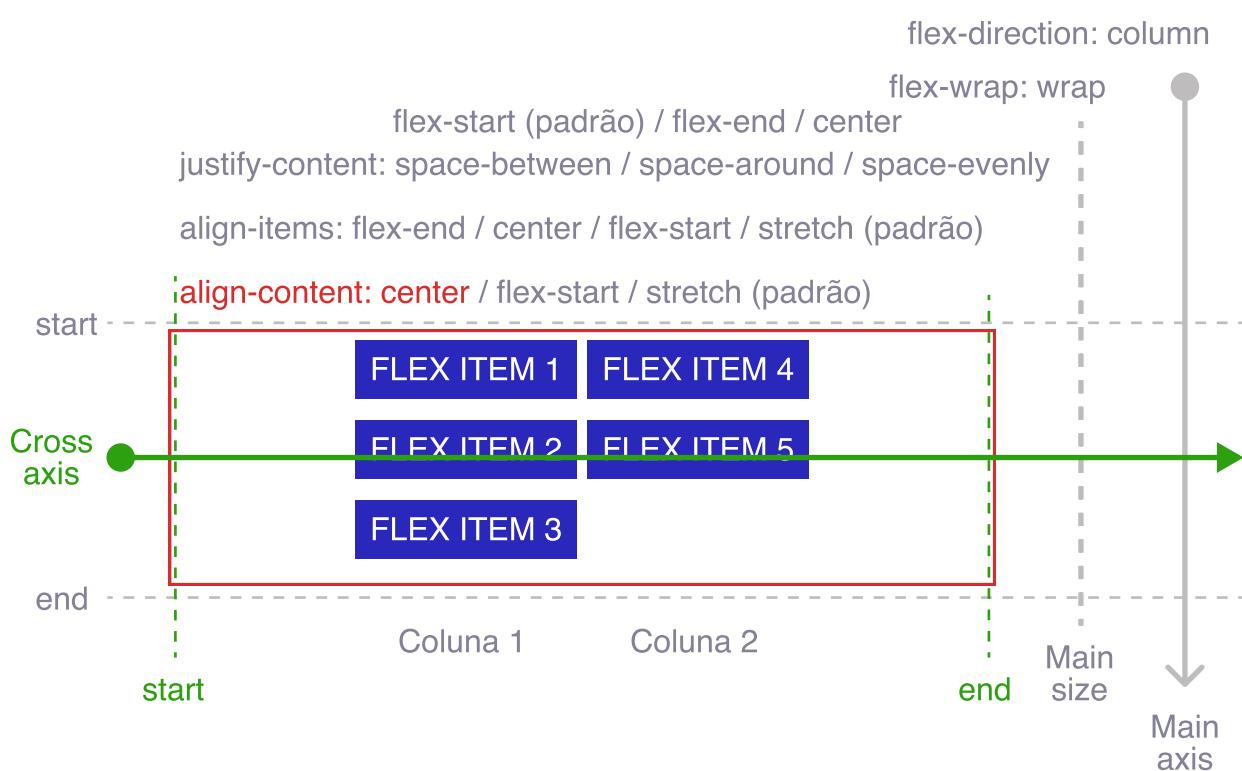
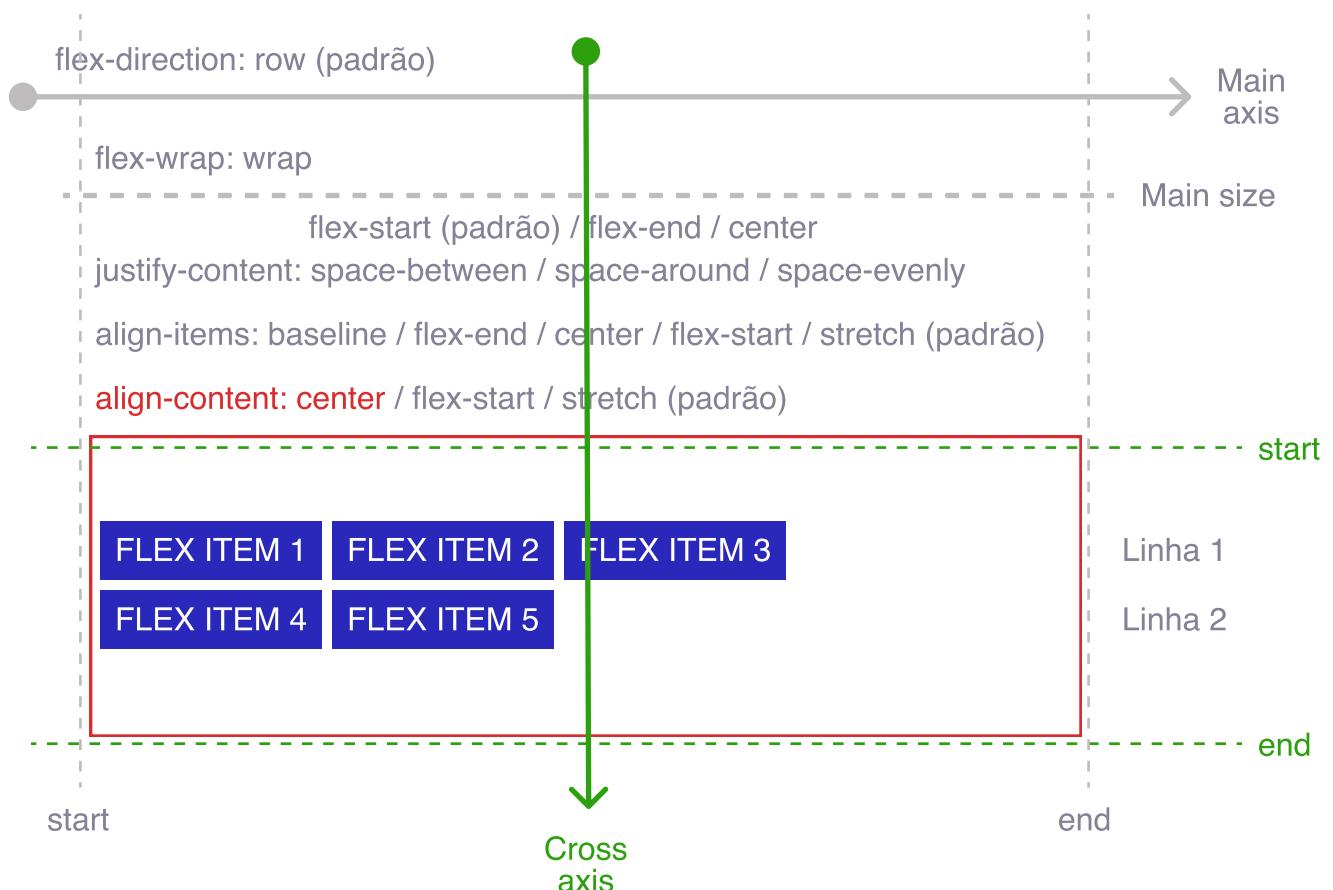
► Flex Container

Align-content parte 2 - Flex-start



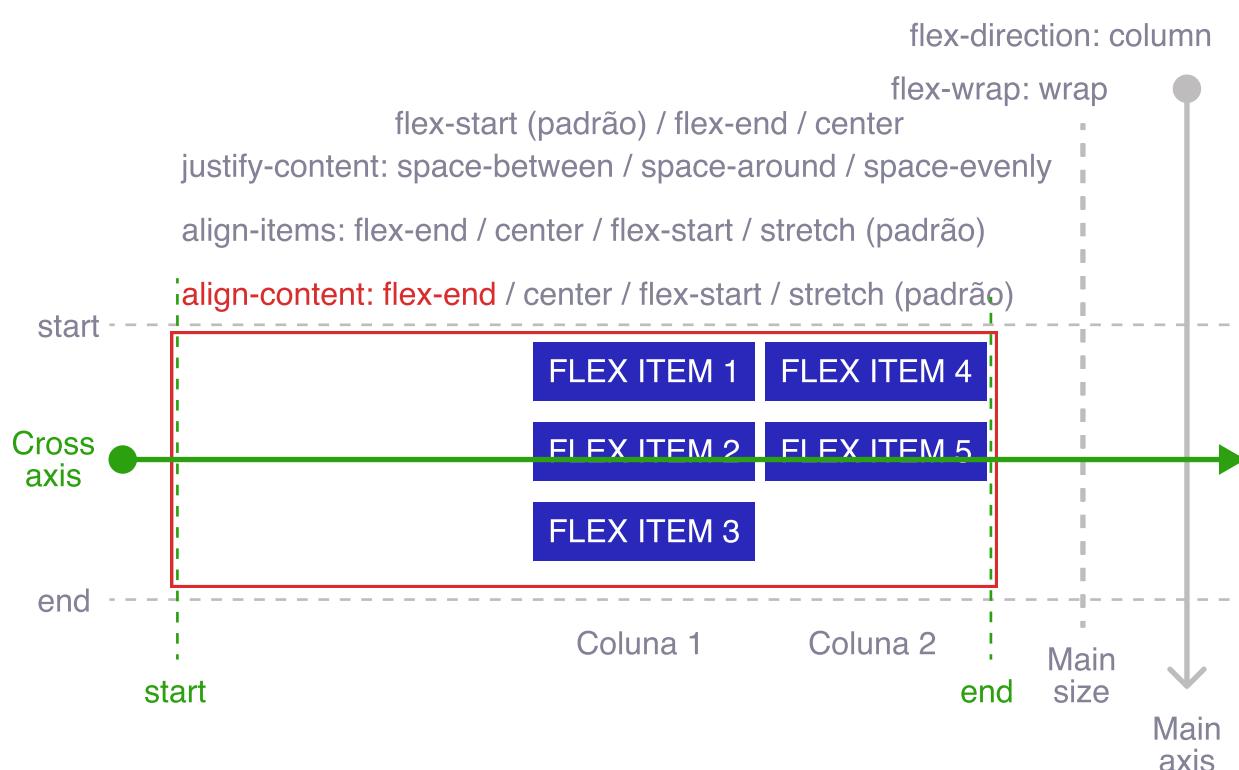
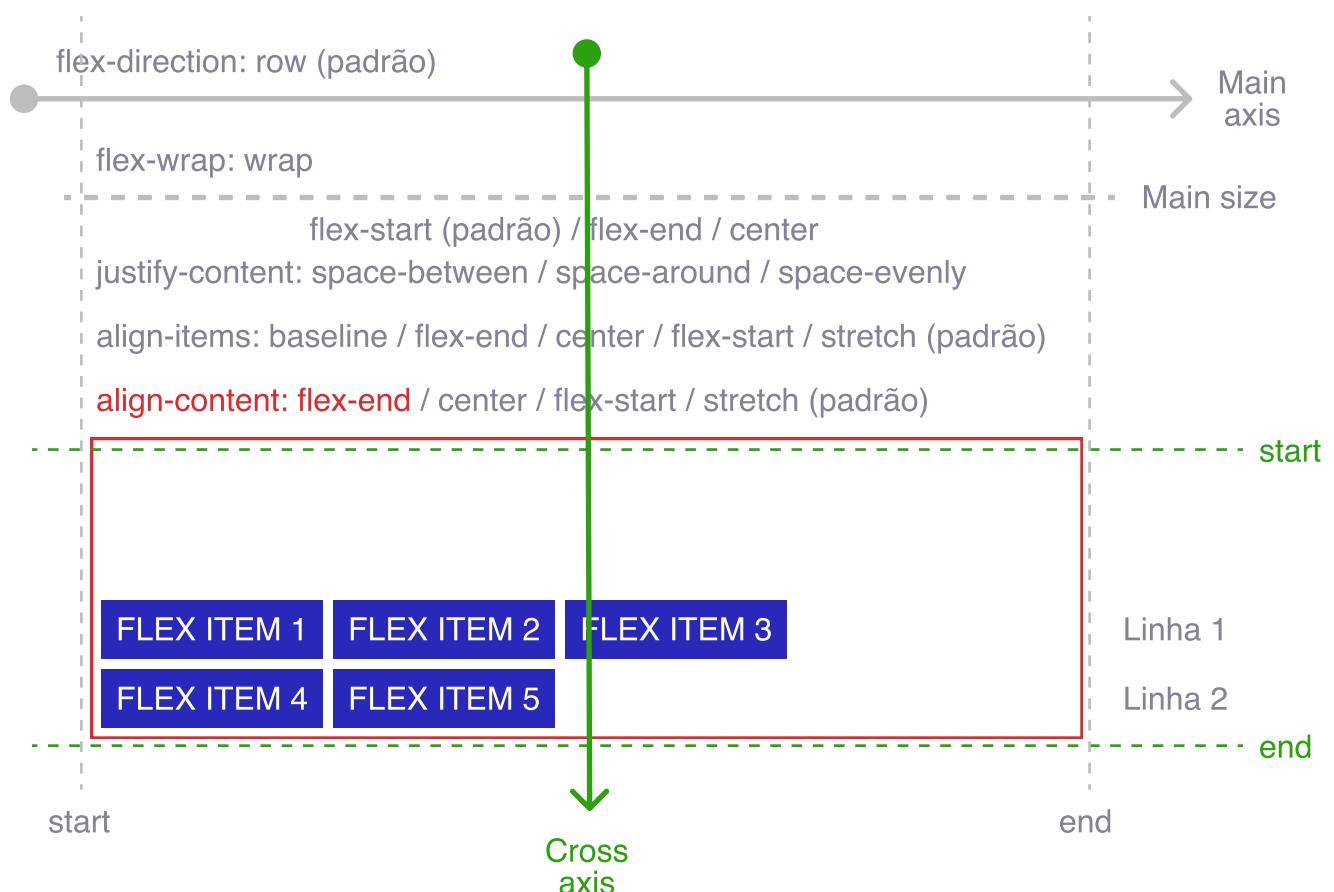
► Flex Container

Align-content parte 3 - Center



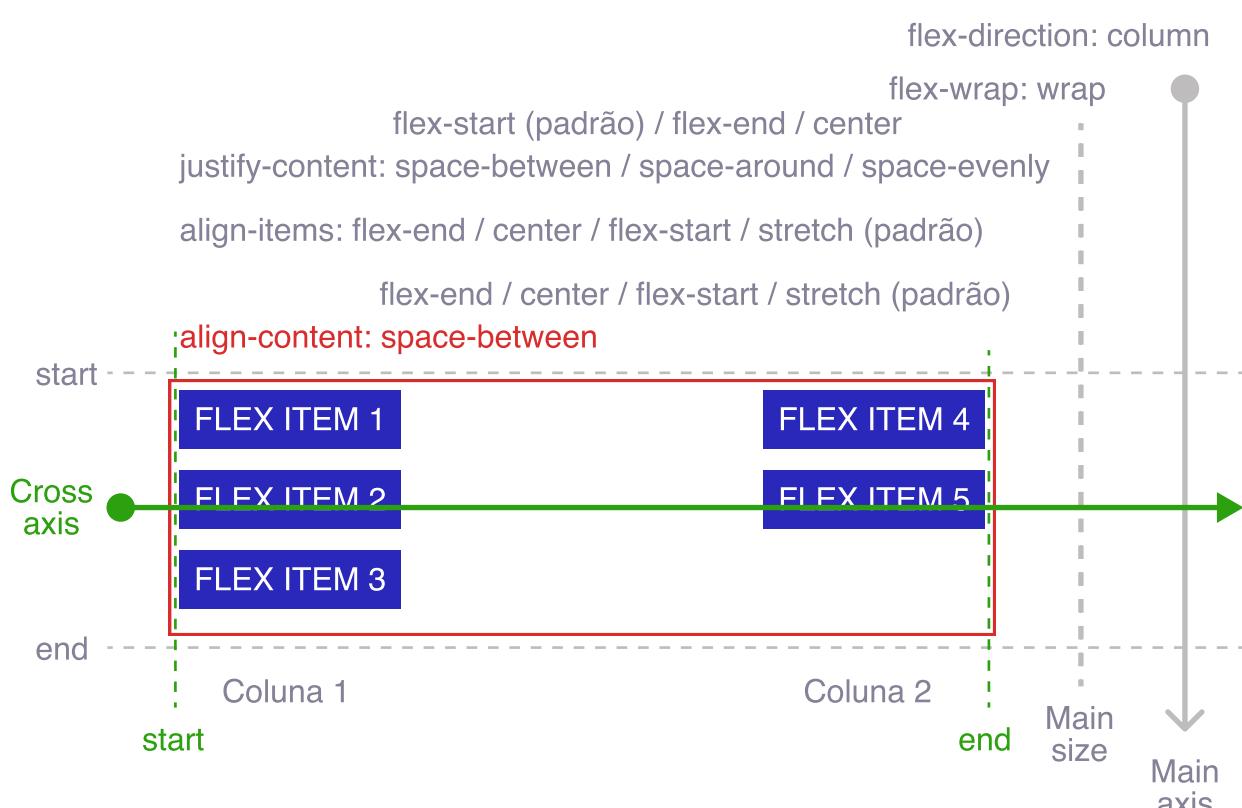
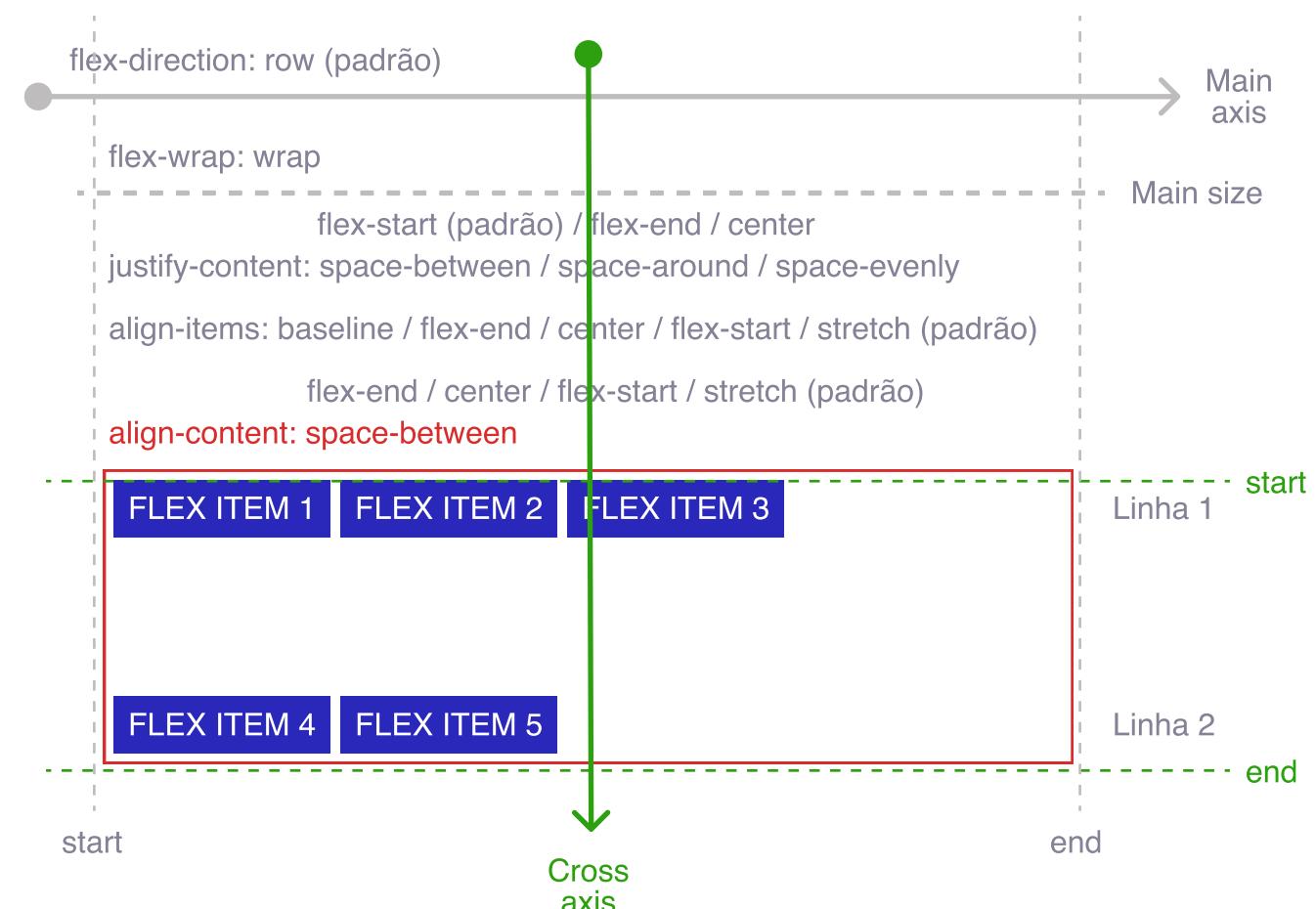
► Flex Container

Align-content parte 4 - Flex-end



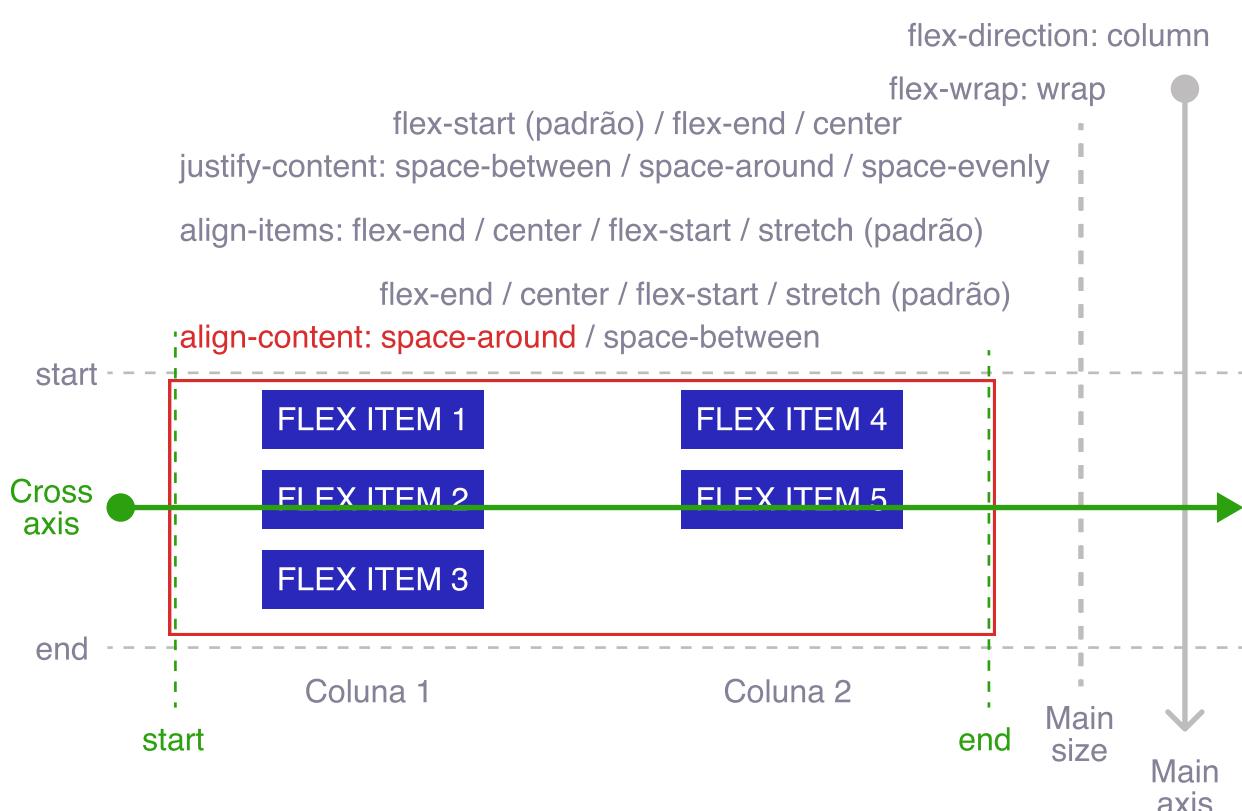
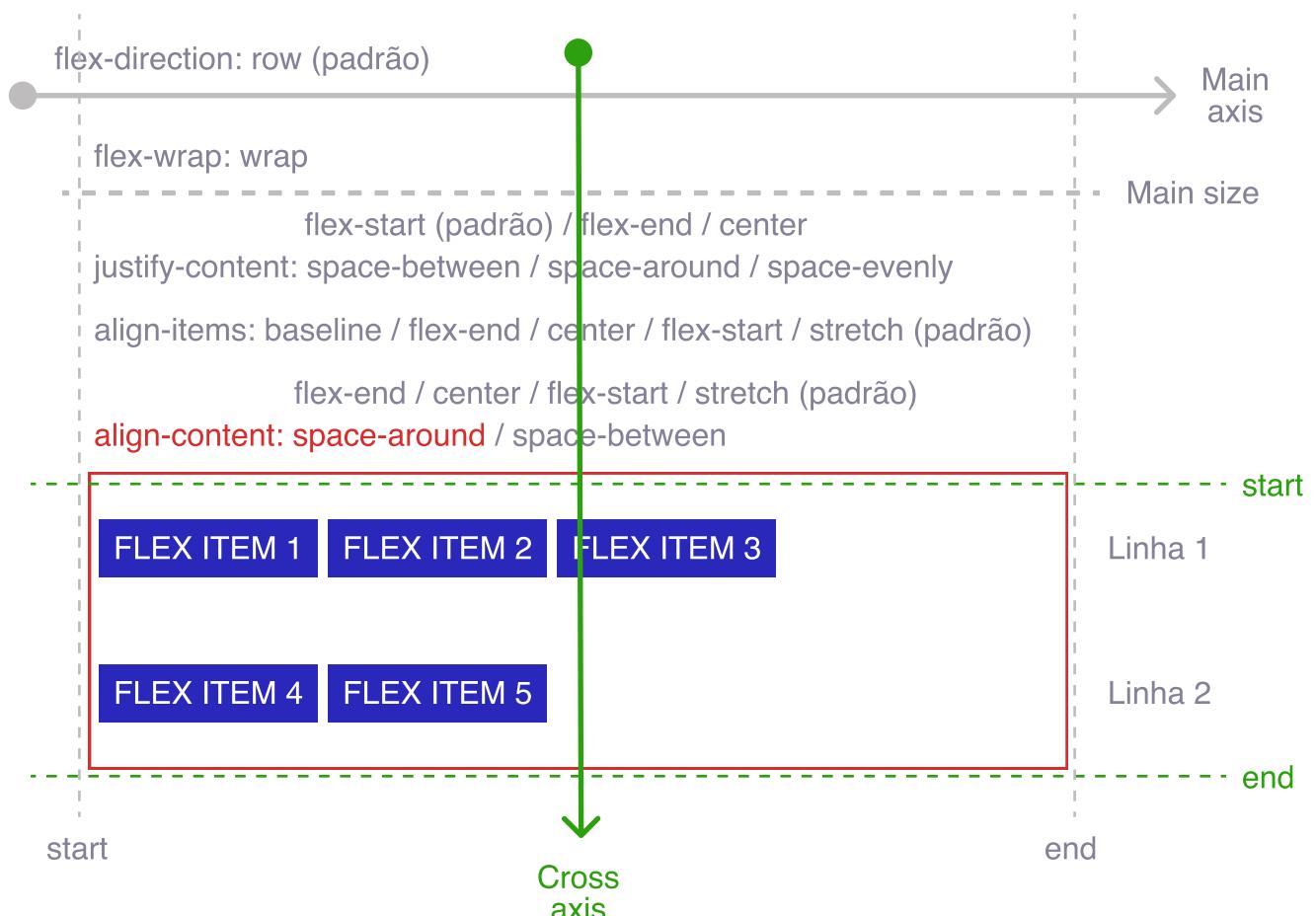
▶ Flex Container

Align-content parte 5 – Space-between



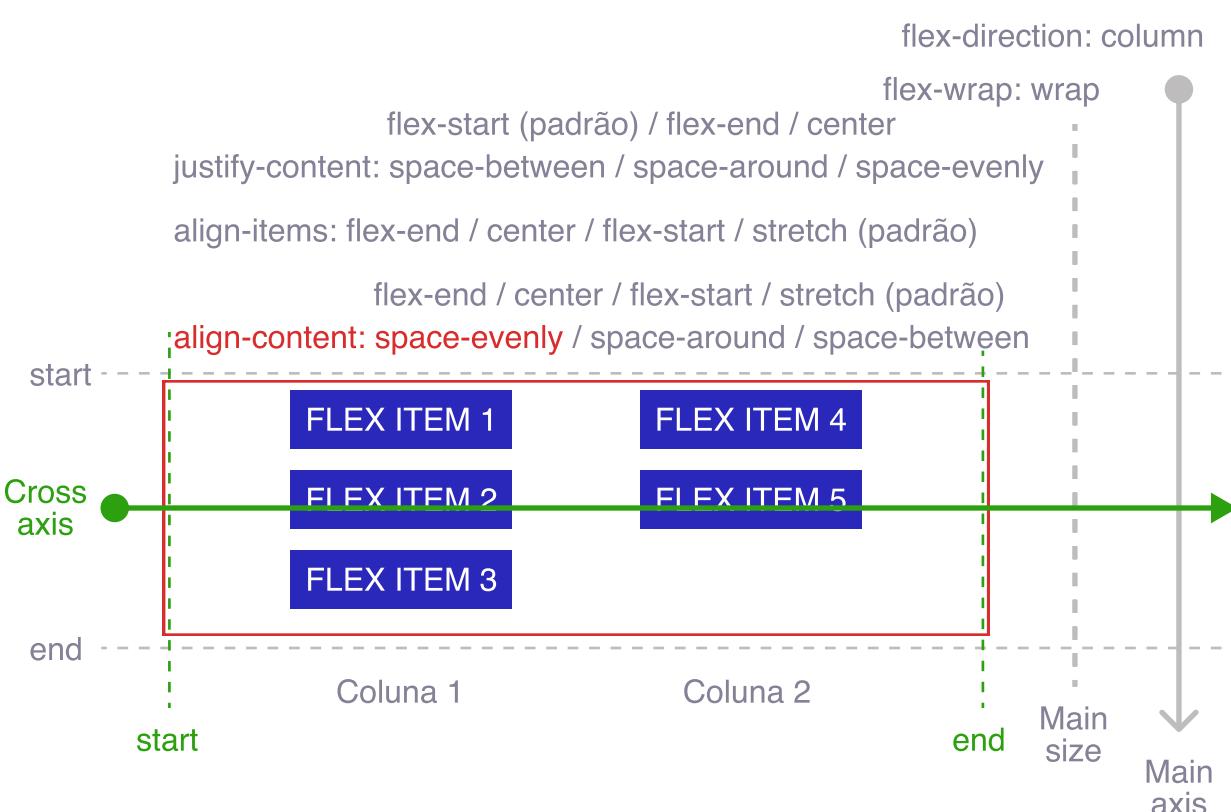
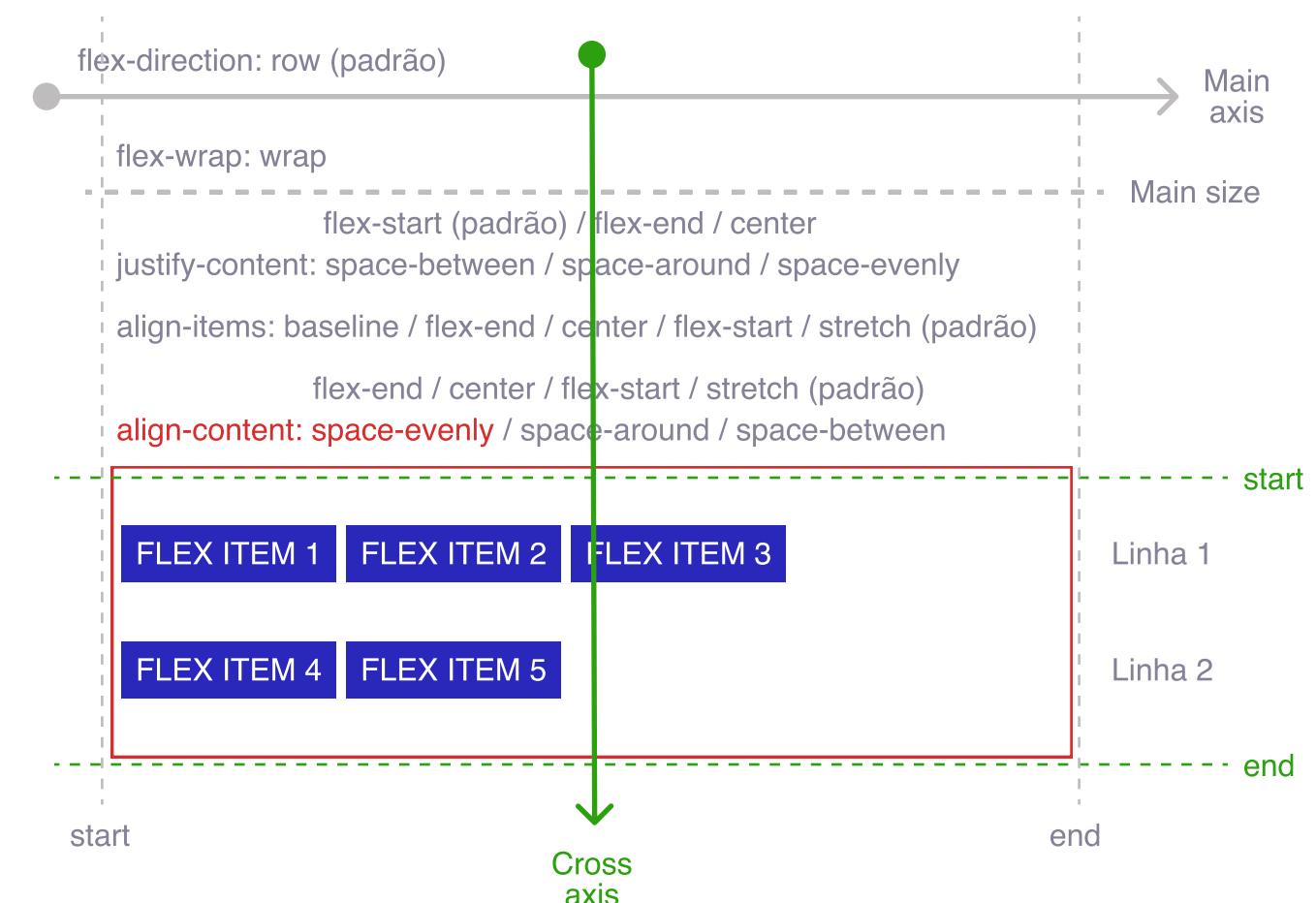
► Flex Container

Align-content parte 6 – Space-around



► Flex Container

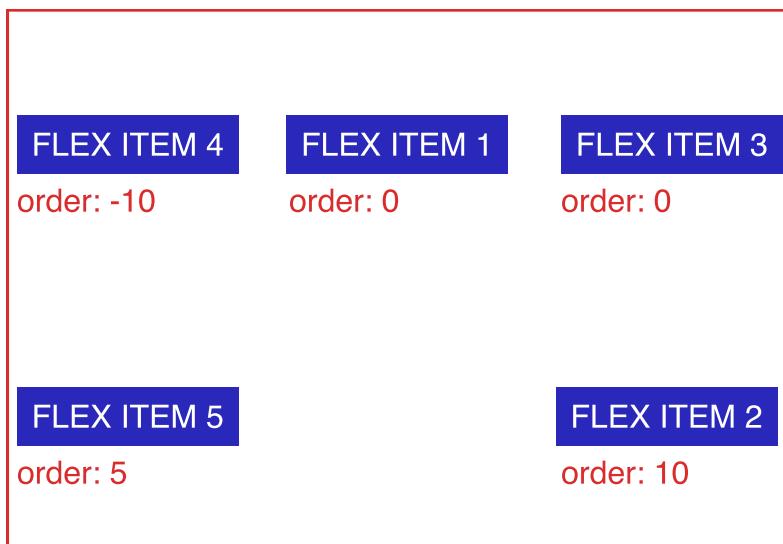
Align-content parte 7 - space-evenly



► Flex Items

Order

flex-direction: row



flex-wrap: wrap
justify-content: space-between
align-items: center
align-content: space-around

flex-direction: column

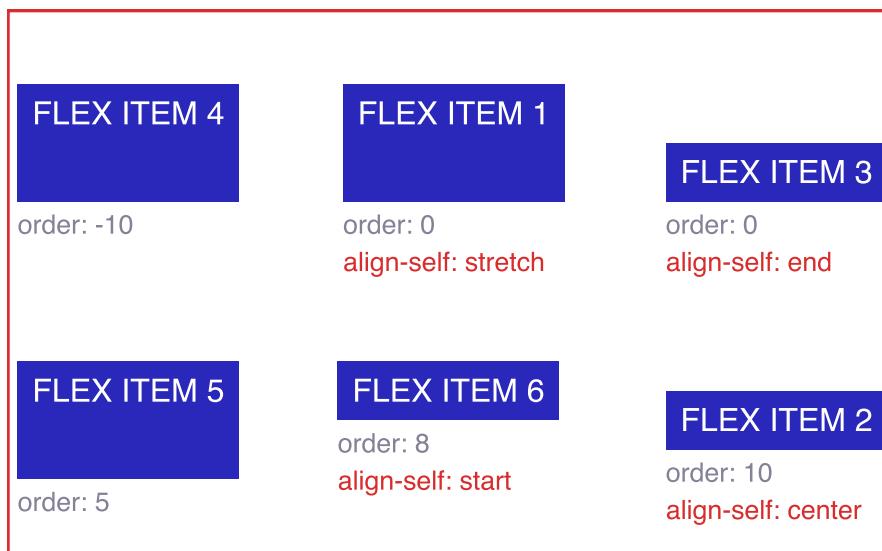


flex-wrap: wrap
justify-content: space-between
align-items: center
align-content: space-around

► Flex Items

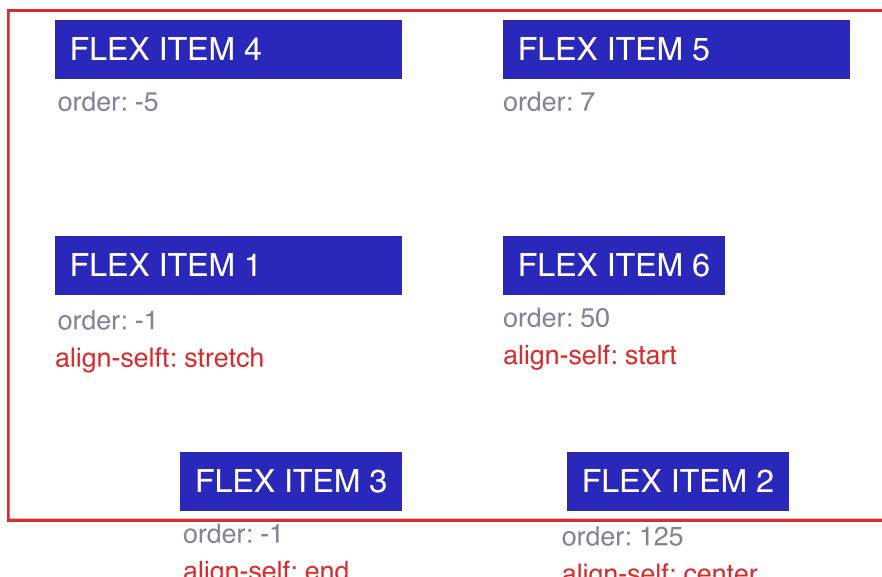
Align-self

flex-direction: row



flex-wrap: wrap
justify-content: space-between
align-items: center
align-content: space-around

flex-direction: column



flex-wrap: wrap
justify-content: space-between
align-items: center
align-content: space-around

► Flex Items

Flex-grow

flex-direction: row



width: 100px width: 100px width: 100px
flex-grow: 0 flex-grow: 0 flex-grow: 0

Espaço disponível



width: 100px width: 100px + 25px width: 100px + 75px
flex-grow: 0 flex-grow: 1 flex-grow: 3

flex-direction: column



height: 30px
flex-grow: 0

height: 30px
flex-grow: 0

height: 30px
flex-grow: 0

Espaço disponível
Height: 100px



height: 30px
flex-grow: 0

height: 30px + 25px
flex-grow: 1

height: 30px + 75px
flex-grow: 3

► Flex Items

Flex-shrink



► Flex Items

Flex-basis

flex-direction: row



flex-basis: auto
flex-grow: 0
flex-shrink: 1

flex-basis: auto

flex-grow: 0
flex-shrink: 1

flex-basis: auto

flex-grow: 0
flex-shrink: 1



flex-basis: 0
flex-grow: 0
flex-shrink: 1

flex-basis: 0

flex-grow: 0
flex-shrink: 1

flex-basis: 0
flex-grow: 0
flex-shrink: 1

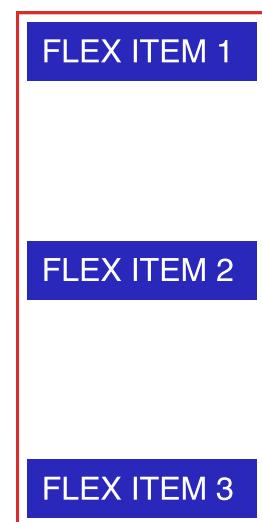


flex-basis: 120px
flex-grow: 0
flex-shrink: 1

flex-basis: 120px
flex-grow: 0
flex-shrink: 1

flex-basis: 120px
flex-grow: 0
flex-shrink: 1

flex-direction: column



flex-basis: auto / 0
flex-grow: 0
flex-shrink: 1

flex-basis: auto / 0
flex-grow: 0
flex-shrink: 1

flex-basis: auto / 0
flex-grow: 0
flex-shrink: 1



flex-basis: 60px
flex-grow: 0
flex-shrink: 1

flex-basis: 60px
flex-grow: 0
flex-shrink: 1

flex-basis: 60px
flex-grow: 0
flex-shrink: 1

► Flex Items

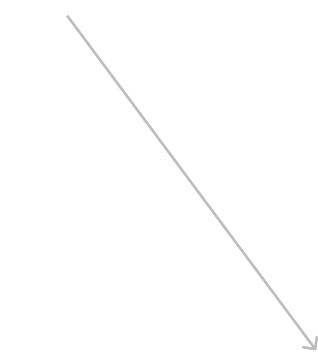
Flex (syntax sugar do flex-grow, flex-shrink e flex-basis)

Define o **crescimento** do Flex Item de acordo com o **espaço disponível** na linha ou coluna.

flex-grow

flex-shrink

flex-basis

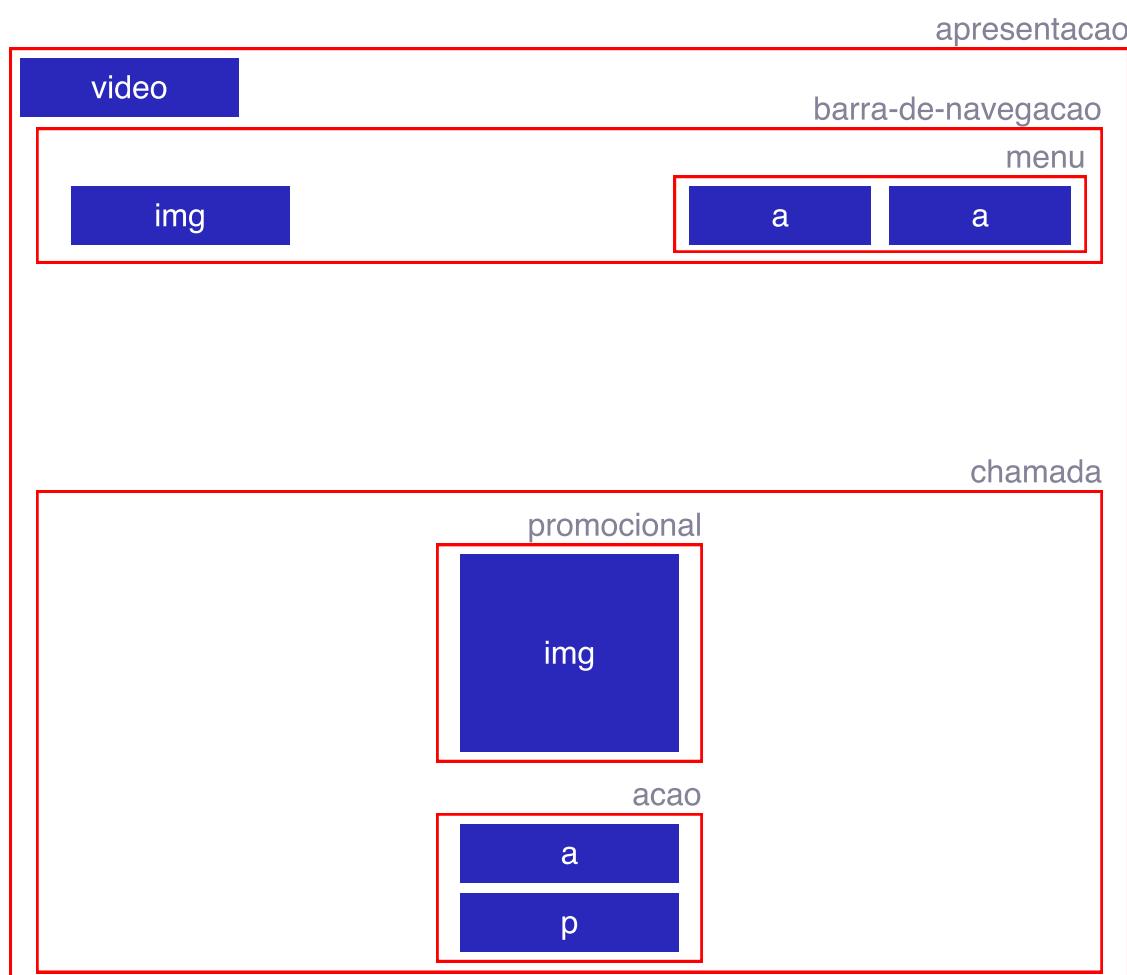


Define o **encolhimento** do Flex Item de acordo com o **espaço excedente** na linha ou coluna.

Define o **tamanho principal inicial** do Flex Item (width para linha, height para coluna).

- ▶ Projeto prático HBOmax

HBOmax - Seção de apresentação parte 1



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