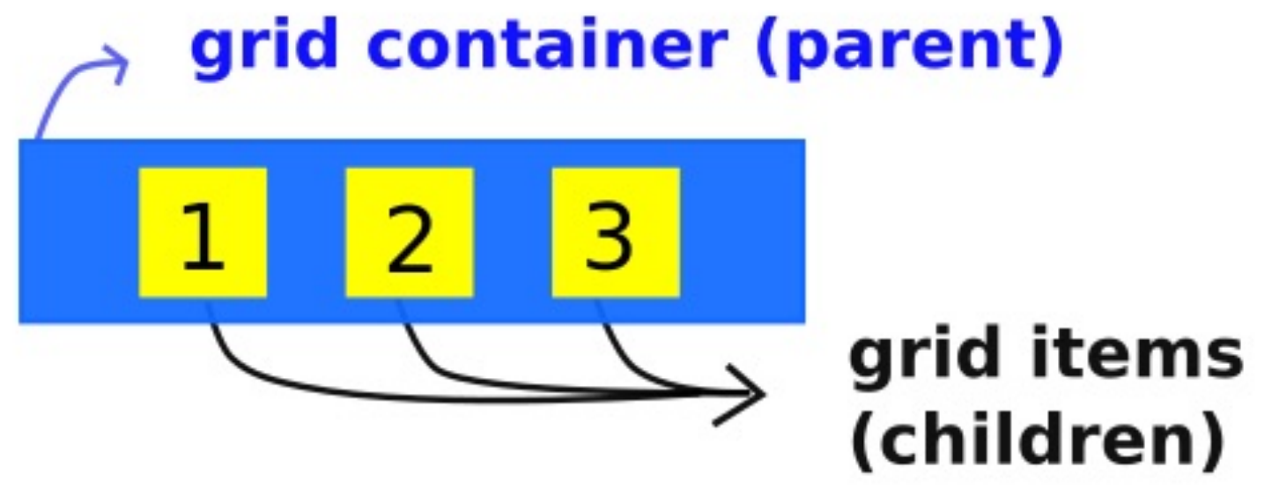
Grid Cheat Sheet

@simonpaix

Explicit Grid: Defined by grid-template-rows and grid-template-columns,
which creates a fixed number of tracks (rows and columns) with specific sizes.

Implicit Grid: Automatically created by the browser when content is placed outside of the explicit grid,
adding extra rows or columns as needed. The behavior is control by grid-auto-rows and grid-auto-columns.



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Parent properties

Tips: Default values are in bold

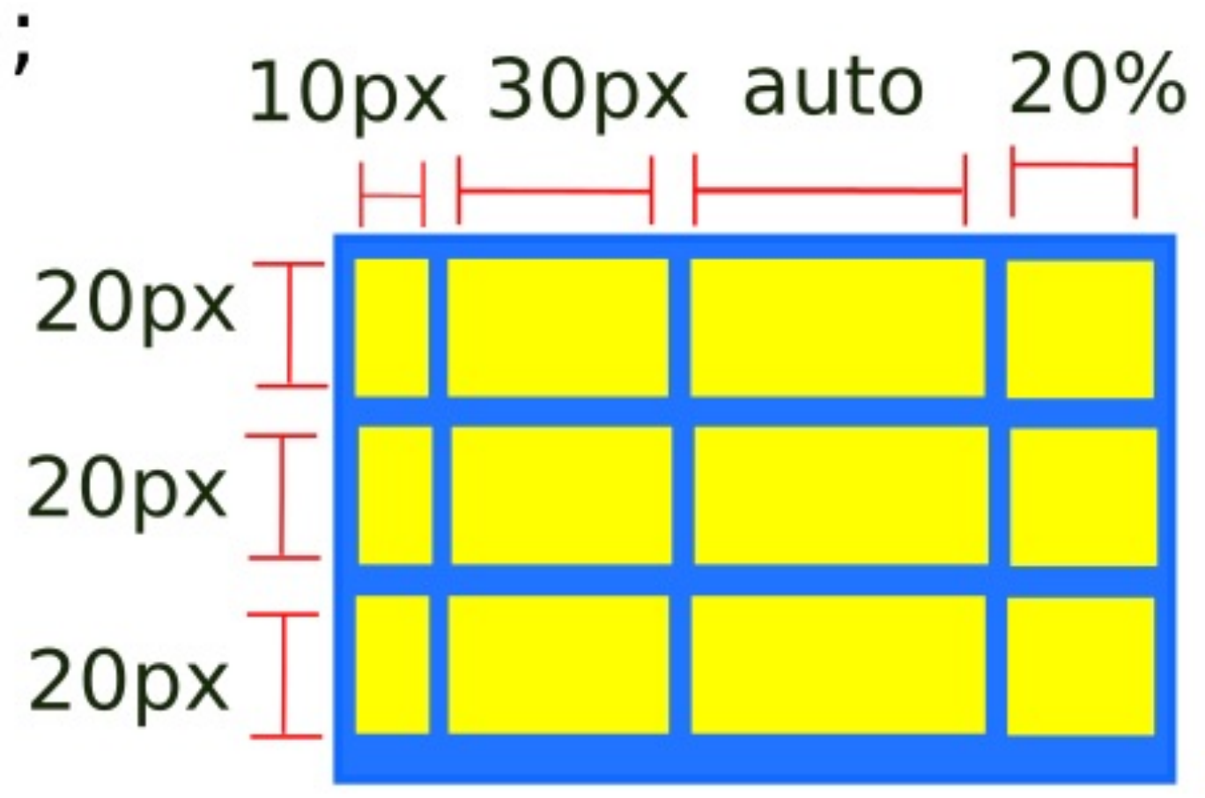
display: enables grid context for all direct children.

.container{ display: grid; } // or inline-grid

grid-template: defines the rows and columns of the grid. Set track size values and line-names(optional).

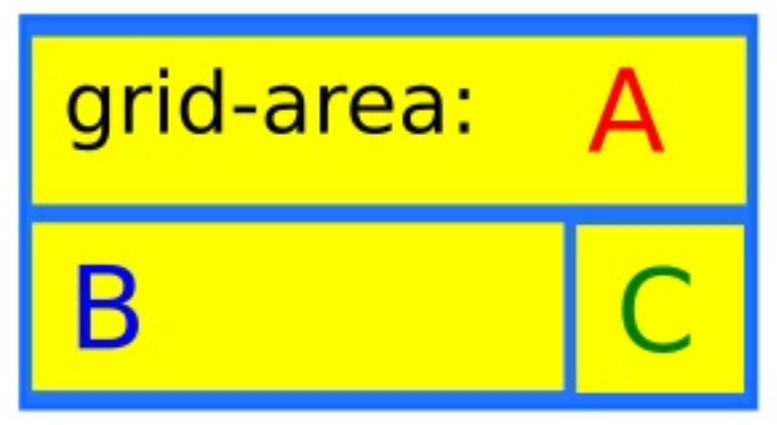
grid-template-columns: 10px 30px auto 20%; Explicit Grid
grid-template-rows: repeat(3, 20px);

repeat(auto-fit, minmax(250px, 1fr));
repeat(auto-fill, minmax(250px, 1fr));



grid-template-areas:
"A A A A
B B B C "

Line Names
[area-name]-start
[area-name]-end



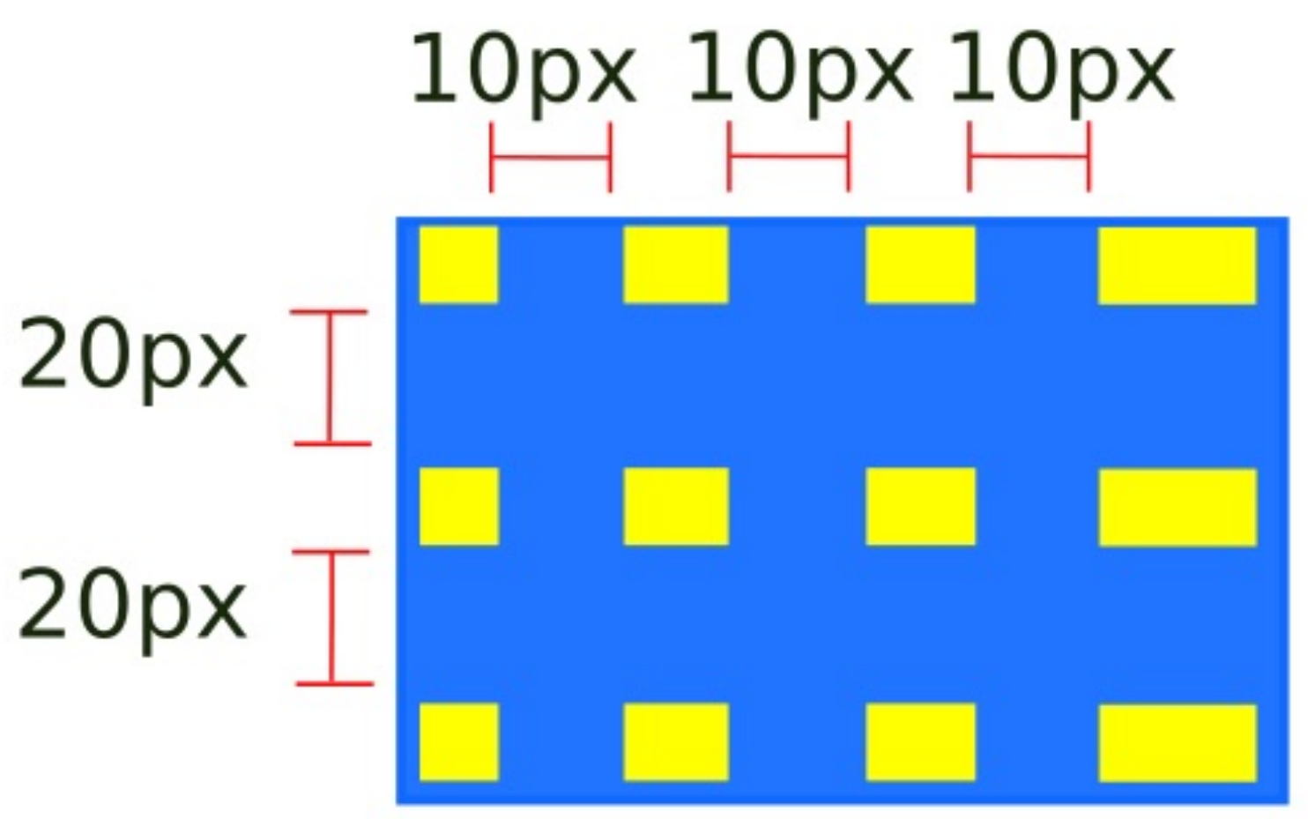
min-content
max-content

fit-content([max-value])
minmax()

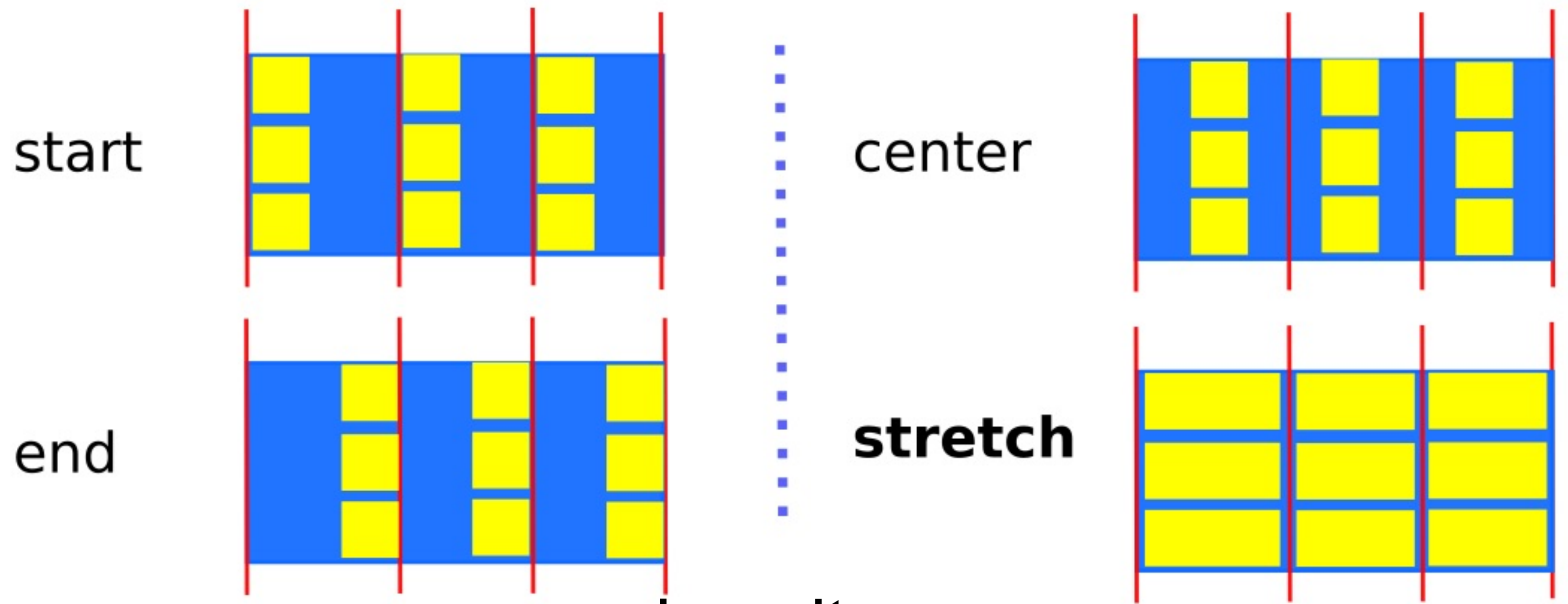
fr (flex fraction) = a fraction of available free space

grid-gap: sets the size of the grid lines, the gutters between columns and between rows.

column-gap: 10px;
row-gap: 20px;
gap: 10px 20px;

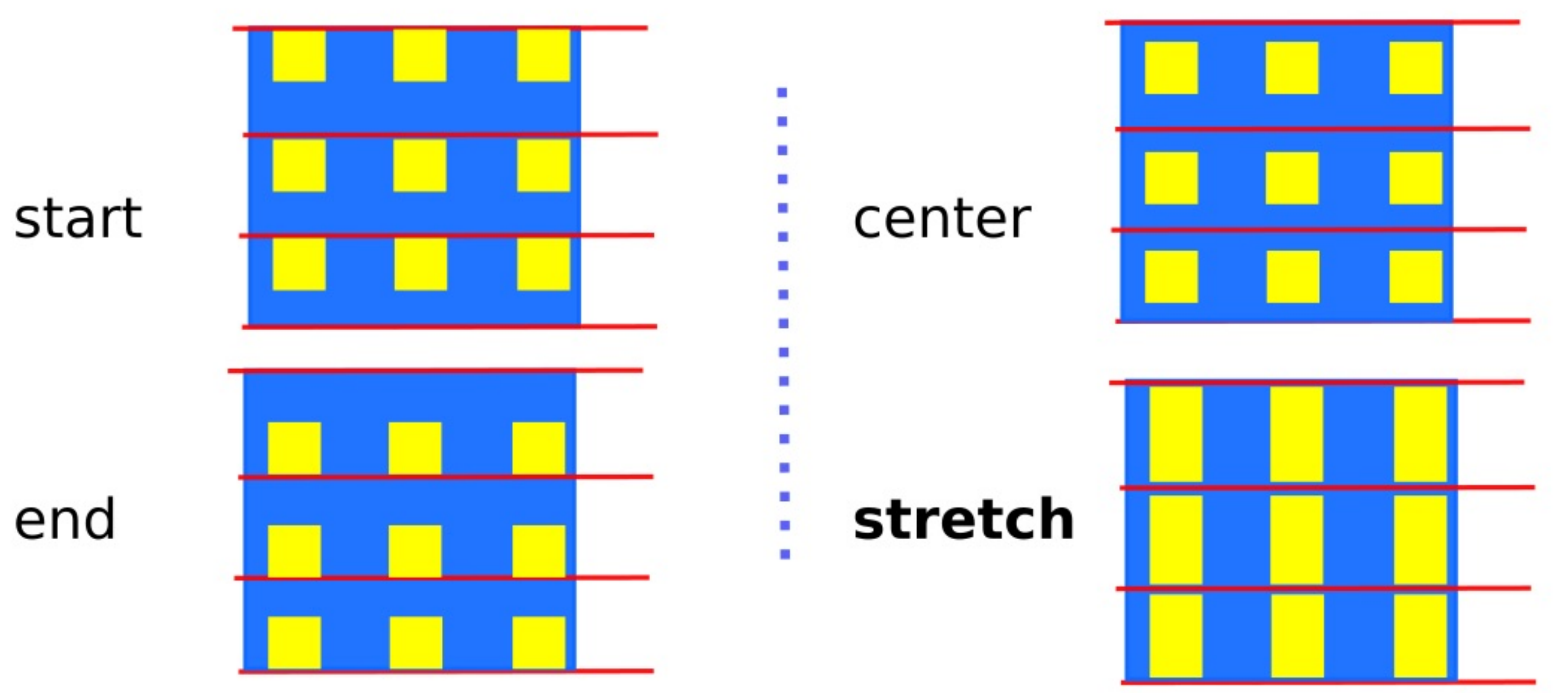


justify-items: defines alignment along the row axis.

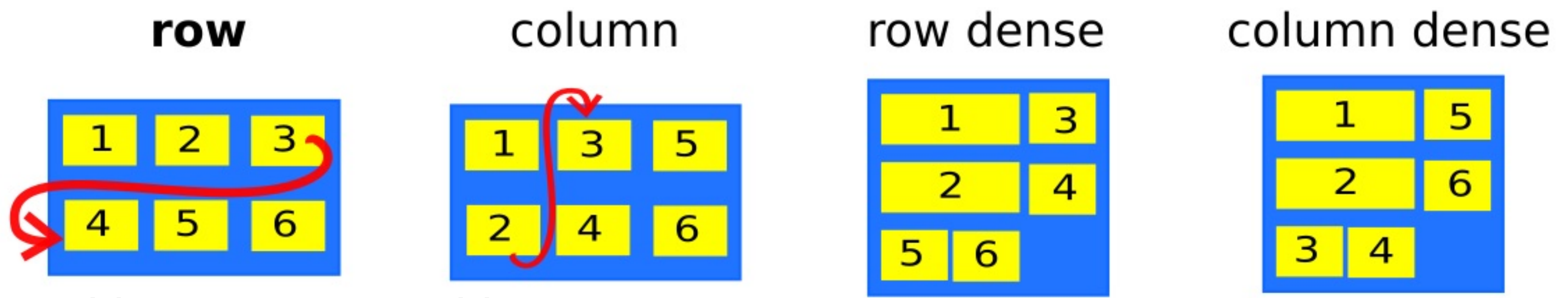


place-items

align-items: defines alignment along the column axis.

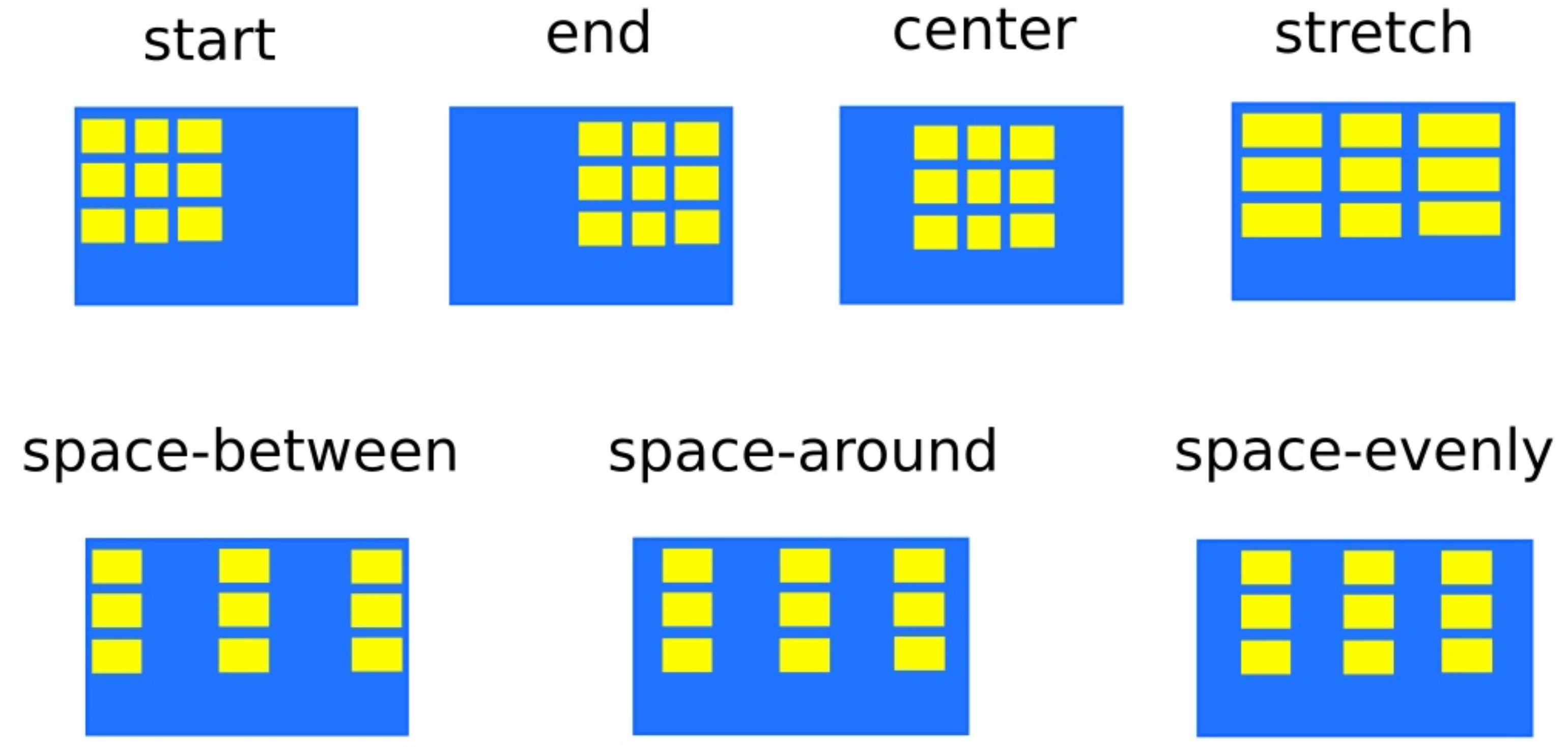


grid-auto-flow: defines how to automatically place grid items that aren't explicitly placed. Implicit Grid



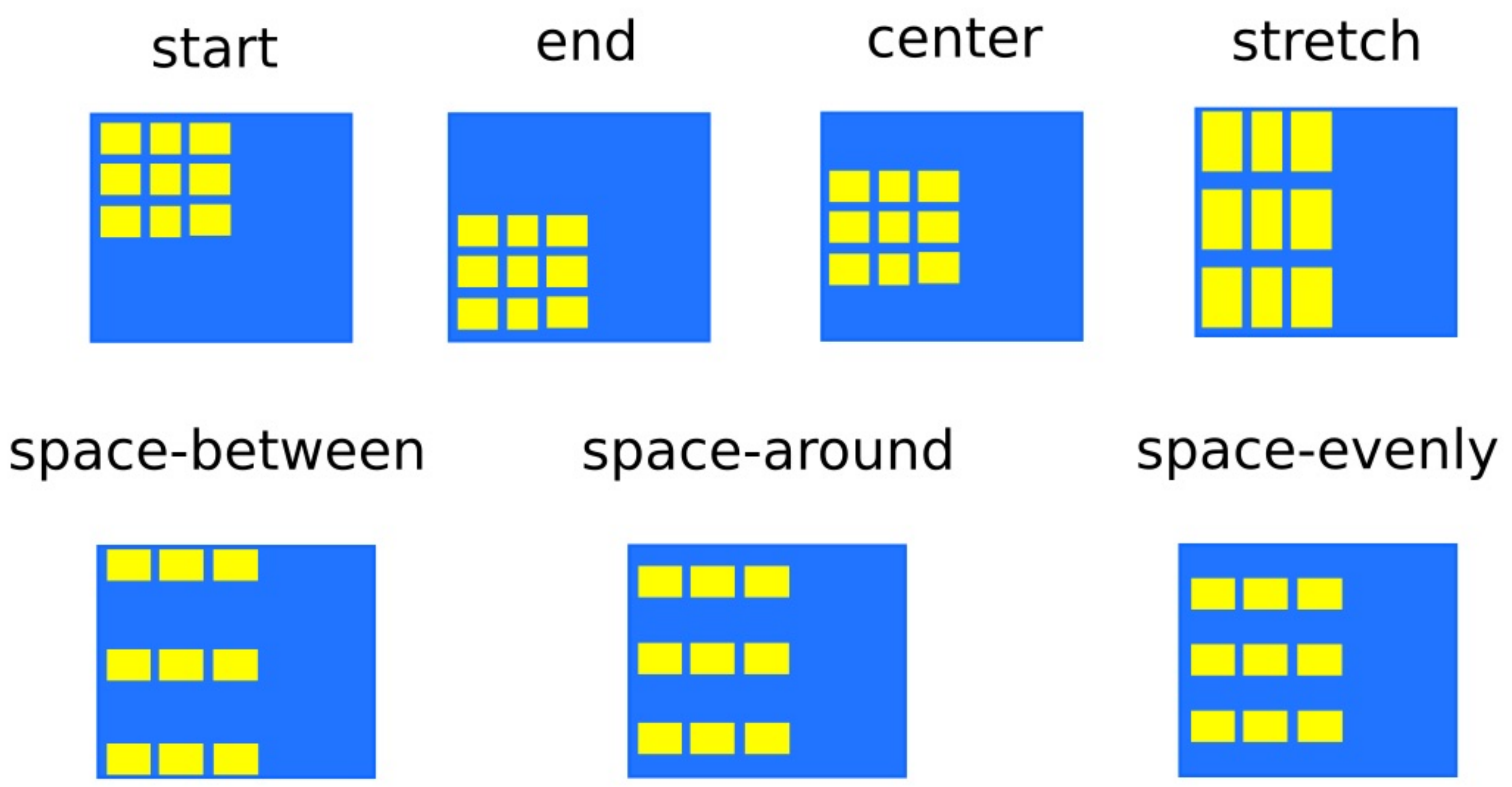
grid-auto-rows grid-auto-columns

justify-content: justifies all grid content on row axis if total grid size is smaller than container.



place-content

align-content: justifies all grid content on column axis if total grid size is smaller than container.



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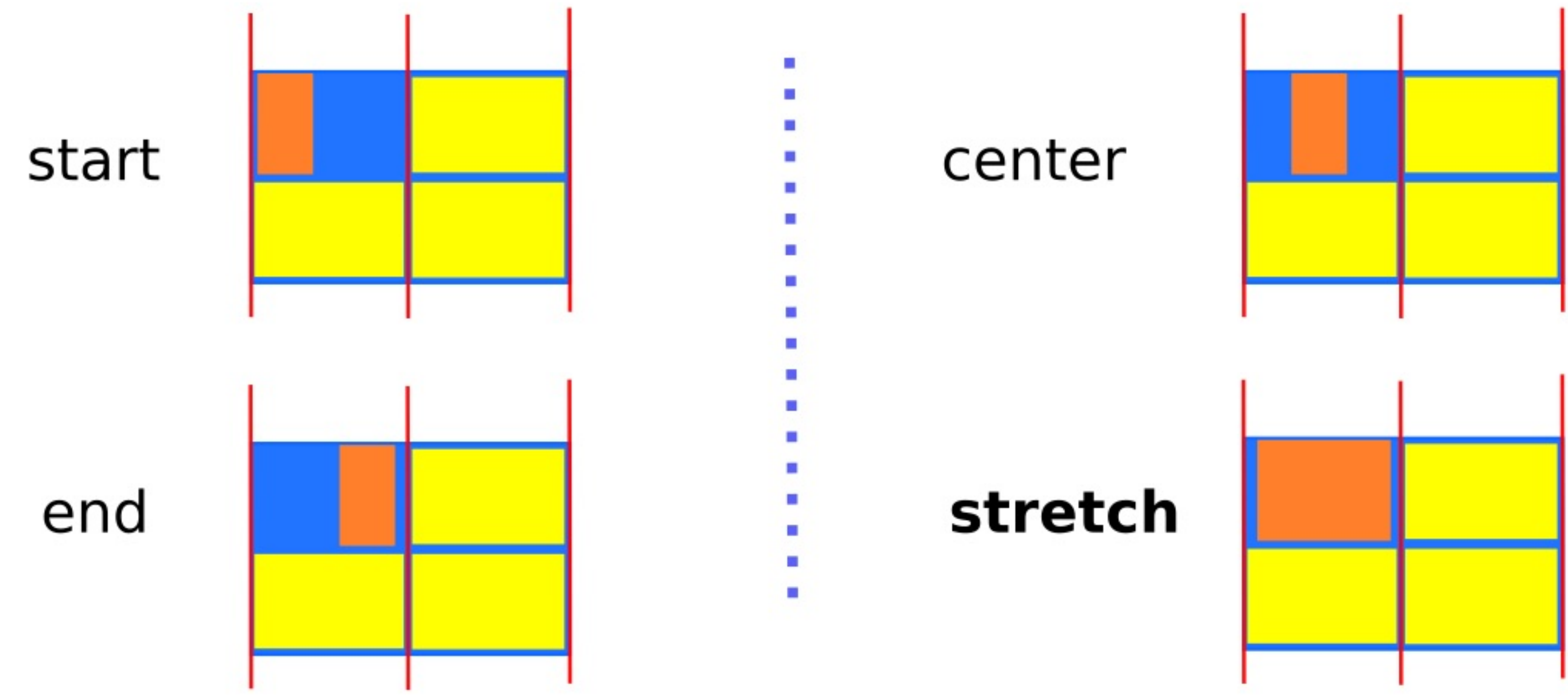
Children properties

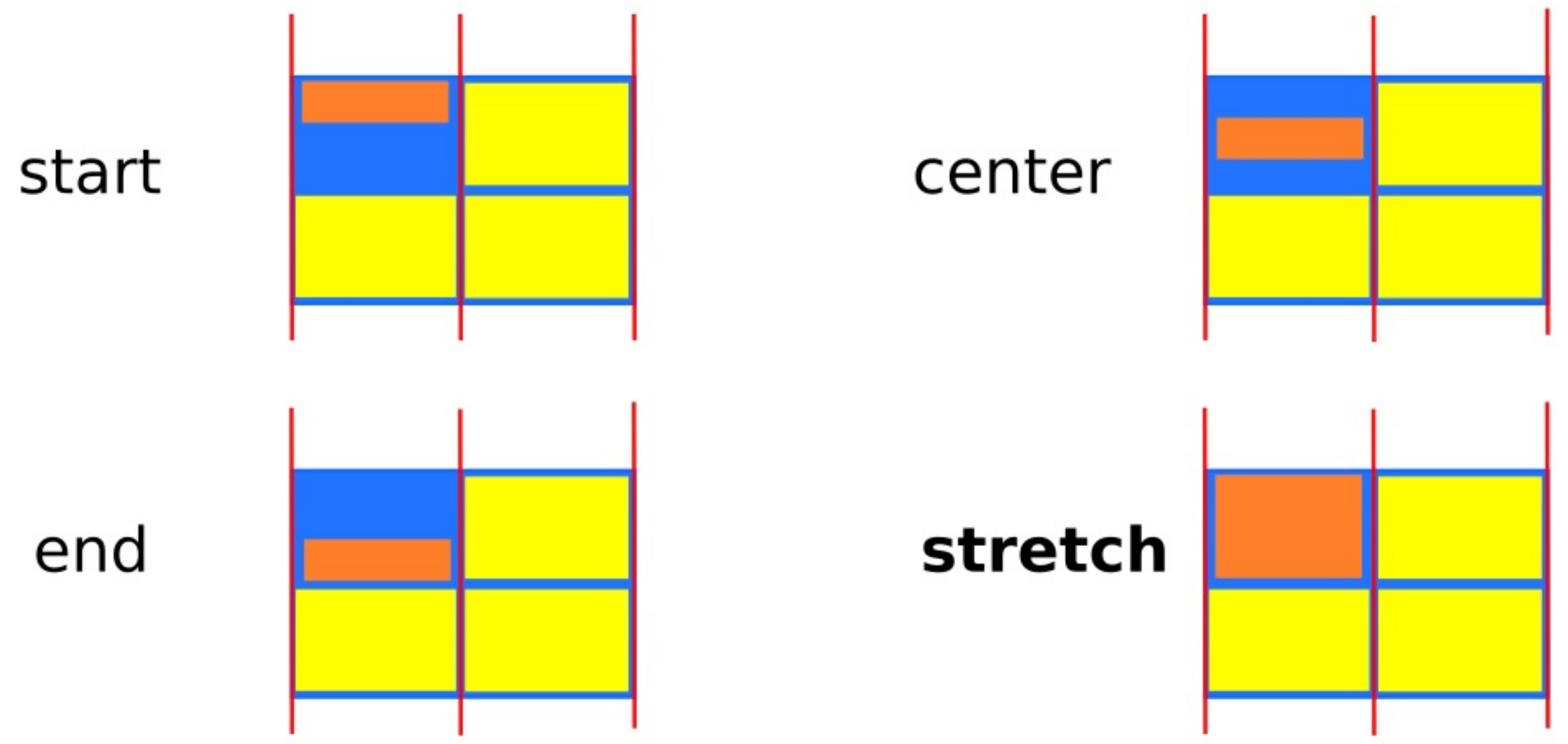
justify-self: aligns an item inside a single cell along the row axis.



place-self

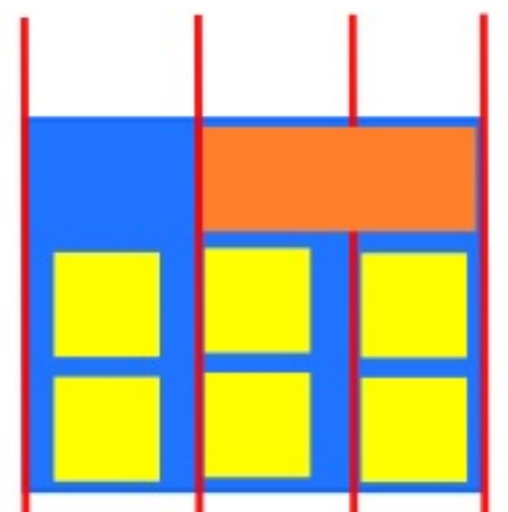
grid-area: [area-name]

align-self: aligns an item inside a single cell along the column axis.



grid-column: determines the item's location based on a start and an end column lines (or a span).

grid-column-start: 2;
grid-column-end: 4;
// or grid-column: 2 / 4

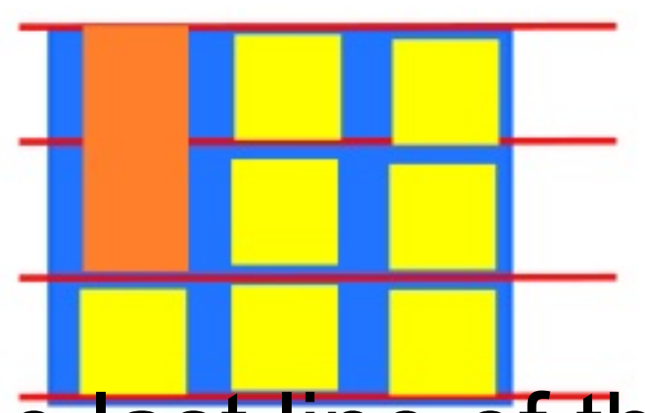


line-name

The end line of a explicit grid is number -1

grid-row: same but for the row location.

grid-row-start: 1;
grid-row-end: 3;
// or grid-row: 1 / span 2



There is no way to target the last line of the implicit grid

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