classmethod **simplify**(*segments*)

Simplify an iterable of segments by combining contiguous segments with the same style.

Parameters
segments (*Iterable[Segment]*) – An iterable of segments.

Returns
A possibly smaller iterable of segments that will render the same way.

Return type
Iterable[*Segment*]

classmethod **split_and_crop_lines**(*segments*, *length*, *style=None*, *pad=True*, *include_new_lines=True*)

Split segments in to lines, and crop lines greater than a given length.

Parameters

- **segments** (*Iterable[Segment]*) – An iterable of segments, probably generated from console.render.
- **length** (*int*) – Desired line length.
- **style** (*Style, optional*) – Style to use for any padding.
- **pad** (*bool*) – Enable padding of lines that are less than *length*.
- **include_new_lines** (*bool*)

Returns
An iterable of lines of segments.

Return type
Iterable[List[*Segment*]]

split_cells(*cut*)

Split segment in to two segments at the specified column.

If the cut point falls in the middle of a 2-cell wide character then it is replaced by two spaces, to preserve the display width of the parent segment.

Parameters
cut (*int*) – Offset within the segment to cut.

Returns
Two segments.

Return type
Tuple[*Segment*, *Segment*]

classmethod **split_lines**(*segments*)

Split a sequence of segments in to a list of lines.

Parameters
segments (*Iterable[Segment]*) – Segments potentially containing line feeds.

Yields
Iterable[List[Segment]] – Iterable of segment lists, one per line.

Return type
Iterable[*List*[Segment]]