Piecewise Functions

Conventions:

Solid disk corresponds to inclusion of the point or any of $\leq$ $\geq$ $=$ operators

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Hollow disk corresponds to the exclusion or any of the $<$ $>$ operators

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Example 1.

$$\left[\begin{array}{ll} 4 - 3\,e & 1 \leq e < 2 \\ 3\,e - 4 & 2 \leq e < 4 \end{array}\right.$$