Piecewise Functions

Conventions:

`Solid disk` refers to inclusion of the point or any of ≤ ≥ = operators

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`Hollow disk` refers to the exclusion or any of the < > operators

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Example 1.

$$\begin{cases} -u & -4 < u \le -2 \\ u & -2 < u \le 0 \end{cases}$$