Piecewise Functions

Conventions:

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

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

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Example 1.

$$\begin{cases} -f & -5 \leq f < -2 \\ f & -2 \leq f < 1 \end{cases}$$