Piecewise Functions

Solid disk corresponds to inclusion of the point or any of $\leqslant$ $\geqslant$ = operators

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

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Example 1.

$$\begin{cases} -f & -2 < f \leq 3 \\ f & 3 < f \leq 4 \end{cases}$$