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.

$$\begin{cases} 2\,u + 1 & -4 \leq u < -3 \\ -2\,u - 1 & -3 \leq u < -2 \end{cases}$$