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$$\begin{aligned} \textbf{A-law} \\ F(x) &= \frac{A|x|}{ln(1+A)} & 0 \le |x| < \frac{1}{A} \\ F(x) &= \frac{sgn(x)ln(1+A|x|))}{ln(1+A)} & \frac{1}{A} \le |x| \le 1 \\ A &= 87.7 \text{ in Europe} \end{aligned}$$