FORMULA 3.196.5

The original formula is

$$\int_{-\infty}^{1} \frac{dx}{(a-bx)(1-x)^{\nu}} = \frac{\pi}{b} \operatorname{cosec}\, \nu\pi \left(\frac{b}{a-b}\right)^{\nu}$$

This looks better if written as

$$\int_{-\infty}^{1} \frac{dx}{(a-bx)(1-x)^{\nu}} = \frac{\pi}{b \sin \pi\nu} (a/b-1)^{-\nu}$$