NEW FORMULA 3.194.2

The original formula is

$$\int_u^\infty \frac{x^{\mu-1}\,dx}{(1+\beta x)^\nu} = \frac{u^{\mu-\nu}}{\beta^\nu(\nu-\mu)} {}_2F_1\left[\nu,\nu-\mu;\nu-\mu+1;-1/\beta u\right]$$
 and it should be replaced by

$$\int_{u}^{\infty} \frac{x^{a-1} dx}{(1+bx)^{c}} = \frac{u^{a-c}}{b^{c}(c-a)} {}_{2}F_{1}\left[c,c-a;c-a+1;-1/bu\right]$$