$$\int^{x} \mathfrak{c}^{n} = \frac{{}^{x}\mathfrak{s}}{n}\,{}_{x}\mathfrak{c}^{n-1} + \frac{n-1}{n}\int^{x} \mathfrak{c}^{n-2}$$

$$\int^{x} \mathfrak{c}^{2m} = \frac{{}^{x}\mathfrak{s}/2}{m}\,{}_{x}\mathfrak{c}^{2m-1} + \frac{m-\ 1/2}{m}\int^{x} \mathfrak{c}^{2m-2}$$

$$\int^{x} \mathfrak{c}^{2m+1} = \frac{{}^{x}\mathfrak{s}/2}{m+\ 1/2}\,{}_{x}\mathfrak{c}^{2m} + \frac{m}{m+\ 1/2}\int^{x} \mathfrak{c}^{2m-1}$$

$$\int^{x} \mathfrak{s}^{n} = \frac{-{}^{x}\mathfrak{c}}{n}\,{}_{x}\mathfrak{s}^{n-1} + \frac{n-1}{n}\int^{x} \mathfrak{s}^{n-2}$$

$$\int^{x} \mathfrak{s}^{2m} = \frac{-{}^{x}\mathfrak{c}/2}{m}\,{}_{x}\mathfrak{s}^{2m-1} + \frac{m-\ 1/2}{m}\int^{x} \mathfrak{s}^{2m-2}$$

$$\int^{x} \mathfrak{s}^{2m+1} = \frac{-{}^{x}\mathfrak{c}/2}{m+\ 1/2}\,{}_{x}\mathfrak{s}^{2m} + \frac{m}{m+\ 1/2}\int^{x} \mathfrak{s}^{2m-1}$$