$$\int s^{\alpha} \sqrt{1-s^2}^{\beta} \, ds =$$

$$\int (\operatorname{sen}\theta)^{\alpha} (\cos\theta)^{\beta} (\cos\theta) \, d\theta =$$

$$\int (\operatorname{sen}\theta)^{\alpha} (\cos\theta)^{\beta+1} \, d\theta$$

$$\left[\begin{array}{l} s = \operatorname{sen}\theta \\ \frac{ds}{d\theta} = \cos\theta \\ ds = \cos\theta \, d\theta \\ \sqrt{1-s^2} = \sqrt{1-(\operatorname{sen}\theta)^2} \\ \qquad = \sqrt{(\cos\theta)^2} \\ \qquad = \cos\theta \end{array} \right]$$