





$$\frac{\sin^r \alpha + r(1 - \sin^r \alpha)}{1 + (1 - \sin^r \alpha)} - \frac{c s^r \alpha + r(1 - c s^r \alpha)}{1 + (1 - c s^r \alpha)} =$$

$$\frac{(r - \sin^r \alpha)^{\cancel{r}}}{\cancel{r - \sin^r \alpha}} - \frac{(r - c s^r \alpha)^{\cancel{r}}}{\cancel{r - c s^r \alpha}} = c s^r \alpha - \sin^r \alpha = \boxed{c s^r \alpha}$$