Region - 2

$$F(M) = (mp + \frac{1}{2}) y_p - \frac{1}{2}$$

 $= b^{\nu}(mp + \frac{1}{2}) + a^{\nu}(y_p - \frac{1}{2}) - a^{\nu}b^{\nu}$
 $F(Ms) = (mp + \frac{1}{2}) y_p - 2) -$

$$= b'(xp+\frac{1}{2}) + a'(yp-2)' - a'b' (xp+\frac{1}{2},y_{\bar{p}}^{2}) \xrightarrow{p+1} (y_{\bar{p}}^{2}) \xrightarrow{$$

$$(x_{p}+\frac{1}{2},y_{p}-1)$$
 y_{p}
 y_{p}

$$F(MSE) = (x_p + \frac{3}{2}, y_p - 2)$$

$$= b'(x_p + \frac{3}{2})' + a'(y_p - 2)' - a'b'$$

$$\begin{array}{rcl}
 & \text{Ids} &= F(Ms) - F(M) \\
 &= b'(\chi_{p} + \frac{1}{2})' + a'(y_{p} - 2)' - a'b' - b'(\chi_{p} + \frac{1}{2})' - a'(y_{p} - 1) \\
 &= a'yp' - 4a'yp + 4a'' - a'yp' + 2a'yp' - a'' \\
 &= 3a'' - 2a'yp
\end{array}$$