$= (y_0\alpha - y_1)\, e_1\wedge e_2 + (y_0(z_1+\alpha z_3) - y_2)\, e_1\wedge e_3 +$
$(y_0(z_2+\alpha z_4) - y_3)\, e_1\wedge e_4 + (y_1(z_1+\alpha z_3) - y_2\alpha)\, e_2\wedge e_3$
$+ (y_1(z_2+\alpha z_4) - \alpha y_3)\, e_2\wedge e_4 + (y_2(z_2+\alpha z_4) - y_3(z_1+\alpha z_3))\, e_3\wedge e_4$

where $y = [y_0, y_1, y_2, y_3] \in \mathbb{P}^3$.

$\Rightarrow$ For all $y \neq v_\alpha$, $\tilde{\phi}(\overline{y v_\alpha}) \in$ Tangent plane of F at x. $\Rightarrow$ Since the tangent plane of F at x is given by $\frac{\partial F}{\partial W_0}(x) W_0 + \cdots + \frac{\partial F}{\partial W_5}(x) W_5 = 0$,

$$\frac{\partial F}{\partial W_0}(x)(y_0\alpha - y_1) + \frac{\partial F}{\partial W_1}(x)(y_0(z_1+\alpha z_3) - y_2)$$

$$+ \frac{\partial F}{\partial W_2}(x)(y_0(z_2+\alpha z_4) - y_3) + \frac{\partial F}{\partial W_3}(x)(y_1(z_1+\alpha z_3) - y_2\alpha)$$

$$+ \frac{\partial F}{\partial W_4}(x)(y_1(z_2+\alpha z_4) - \alpha y_3) + \frac{\partial F}{\partial W_5}(x)(y_2(z_2+\alpha z_4) - y_3(z_1+\alpha z_3))$$

$= 0$.

$$\Rightarrow y_0\left(\frac{\partial F}{\partial W_0}\alpha + \frac{\partial F}{\partial W_1}(z_1+\alpha z_3) + \frac{\partial F}{\partial W_2}(z_2+\alpha z_4)\right) +$$

$$y_1\left(-\frac{\partial F}{\partial W_0} + \frac{\partial F}{\partial W_3}(z_1+\alpha z_3) + \frac{\partial F}{\partial W_4}(z_2+\alpha z_4)\right)$$

$$+ y_2\left(-\frac{\partial F}{\partial W_1} - \frac{\partial F}{\partial W_3}\alpha + \frac{\partial F}{\partial W_5}(z_2+\alpha z_4)\right)$$

$$+ y_3\left(-\frac{\partial F}{\partial W_2} - \alpha\frac{\partial F}{\partial W_4} - \frac{\partial F}{\partial W_5}(z_1+\alpha z_3)\right) = 0$$

$$\Rightarrow \frac{\partial F}{\partial W_0}\alpha + \frac{\partial F}{\partial W_1}(z_1+\alpha z_3) + \frac{\partial F}{\partial W_2}(z_2+\alpha z_4) = 0$$

$$\Rightarrow \alpha = \frac{-\frac{\partial F}{\partial W_1} z_1 - \frac{\partial F}{\partial W_2} z_2}{\frac{\partial F}{\partial W_0} + z_3\frac{\partial F}{\partial W_1} + \frac{\partial F}{\partial W_2} z_4}$$ holomorphic in $x \Rightarrow$