$$\begin{cases} (1-a)x - ay = 1 - 2a \\ x + 2y = 5 - a \end{cases}$$

[Se  $a \neq 2$ : (1 + a, 2 - a); se a = 2: indeterminato]

$$\int 5 - a - 2y - 5a + a^2 + 2ay - ay = 1 - 2a$$

$$-2y + ay = -a^2 + 4a - 4$$

$$\alpha \neq 2$$
  $(y = -\frac{(a-z)^2}{9-2} = 2-a$ 

$$\begin{cases} x = 5 - \alpha - 2(2 - \alpha) = 5 - \alpha - 4 + 2\alpha = \alpha + 1 \end{cases}$$

$$0 = 0 \leftarrow SOSTITUENDO \alpha = 2 IN (*)$$

$$a + 1 \qquad 9 = 2 - a$$

 $(a-2)y = -(a-2)^2$ 

$$\begin{cases} ax - (a-2)y = -1\\ (a+1)x - ay = 2 \end{cases}$$

$$(a \times = (a-2)y-1) \quad (a \times = (a-2)y-1)$$

$$(a+1)x-ay=2 \quad (a \times + x - ay=2)$$

$$(a \times = (a-2)y-1) \quad (a \times = 2-x + ay=ay-2y-1)$$

$$(a \times = 2-x + ay) \quad (a \times = 2-x + ay=2)$$

$$(a \times = 2 - x + ay)$$
  $(x = 3 + 2y)$   $(a \times = 2 - x + ay)$   $(a \times = 2 - x + ay)$   $(a \times = 2 - x + ay)$ 

[ a x = 2 - x + a y

$$\begin{cases} 3a + 2ay = -1 - 2y + ay \\ 2ay - ay + 2y = -1 - 3a \end{cases}$$

$$a+2 \neq 0$$
  $\begin{cases} x = 3 + 2 & -1-3a \\ a+2 & a+2 \end{cases} = \frac{3(a+2)+2(-1-3a)}{a+2} = \frac{3a+6-2-6a}{a+2}$ 

ay + 2y = -1 - 3a (a+2)y = -1 - 3a

$$a + 2$$

$$y = \frac{-1 + 3a}{a + 2}$$

$$x = \frac{-3a + 4}{a + 2}$$

$$y = \frac{-1 - 3a}{a + 2}$$

$$\alpha = -2$$
 (  $0 = -1+6$  (  $0 = 5$  IMPOSSIBILE

$$\frac{x}{a^{2}-1} + \frac{y}{1-a} = -\frac{1}{a+1}$$

$$\frac{x}{2x-y} = -1$$

$$\frac{x}{(a-1)(a+1)} - \frac{y}{a-1} = -\frac{1}{a+1}$$

$$\frac{x}{(a-1)(a+1)} - \frac{y}{a-1} = -\frac{1}{a+1}$$

$$\frac{x}{(a-1)(a+1)} - \frac{y}{(a-1)(a+1)} = -\frac{(a-1)}{(a-1)(a+1)}$$

$$\frac{x}{(a-1)(a+1)} - \frac{y}{a-1} = -\frac{1}{a+1}$$

$$\frac{x}{(a-1)(a+1)} - \frac{y}{(a-1)(a+1)} = -\frac{1}{(a-1)(a+1)}$$

$$\frac{x}{(a-1)(a+1)} - \frac{x}{(a-1)(a+1)}$$

$$\begin{cases} x(-1-2a) = 2 & -1-2a \neq 0 = x & a \neq -\frac{1}{2} \\ x = -\frac{2}{2a+1} \\ y = 2 \cdot (-\frac{2}{2a+1}) + 1 = x = \frac{1}{2a+1} \end{cases}$$

$$\alpha = -\frac{1}{2} \begin{cases} 0 = 2 \\ \text{IMPOSSIBILE} \end{cases} = \frac{2a - 3}{2a + 1}$$