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

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

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

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

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

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

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

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

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

14.113

$$\begin{cases} \frac{x}{4a^2 - 4a + 1} + \frac{y}{2a - 1} = 0\\ x + (a - 3)y - 1 = 0 \end{cases}$$

$$\alpha = \frac{1}{2} =$$
 fende si
négnificats

1-(a-3)y+(za-1)y=0

$$\int \frac{x}{(2a-1)^2} + \frac{y}{2a-1} = 0$$

$$a \neq \frac{1}{2}$$
 $x = 1 - (a - 3)y$

$$\begin{cases} x + (2\alpha - 1)y \\ (2\alpha - 1)^2 \\ \end{cases} = 0$$

$$X = 1 - (a - 3)y$$
 $X = 1 - (a - 3)y$

$$(1+y[-(a-3)+2a-1]=0$$
 $(1+(a+2)y=0)$

$$\times = 1 - (a - 3)y$$
 $\times = 1 - (a - 3)y$

$$\int (a+z)y = -1$$

$$(a+2)9 = -1$$
 $a+2\neq 0 \Rightarrow e\neq -2 \Rightarrow (y = -\frac{1}{a+2})$
 $x = 1 - (a-3)y$
 $(x = 1 + \frac{a-3}{a+2})$

$$x = 1 - (a - 3)y$$

$$\alpha = -2 \Rightarrow \begin{cases} 0 = -1 \\ \text{SISTEM4} & \text{IMPOSSIBILE} \end{cases}$$

$$\alpha \neq -2$$
 A $\alpha \neq \frac{1}{2}$ SIST. DET. $\left(\frac{2\alpha - 1}{\alpha + 2}, -\frac{1}{\alpha + 2}\right)$ $\alpha = -2$ IMPOSS. $\alpha = \frac{1}{2}$ PERDE DI SIGNIFICATO

$$\begin{cases} (x - 2a)^2 - x^2 = ay \\ (-y + a)(y - a) = (a - y)(a + y) + ax \\ \text{Se } a \neq 0: \left(\frac{2}{3}a, \frac{4}{3}a\right); \text{ se } a = 0: \text{ indeterminato} \end{cases}$$

$$\begin{cases} x^2 + 4a^2 - 4ax - x^2 = ay \\ -y^2 + 2ay - a^2 = a^2 - y^2 + ax \end{cases} \qquad \begin{cases} 4ax + ay = 4a^2 \\ ax - 2ay = -2a^2 \end{cases}$$

$$a \neq 0 \qquad \begin{cases} 4x + y = 4a \\ x - 2y = -2a \end{cases} \qquad \begin{cases} y = -4x + 4a \\ x - 2y = -2a \end{cases} \qquad \begin{cases} y = -4x + 4a \\ x - 2y = -2a \end{cases} \qquad \begin{cases} y = -4x + 4a \\ x - 2y = -2a \end{cases} \qquad \begin{cases} x + 6x - 8a = -2 \\ 3a + 4a = -8 + 42 \\ 3a = 3 \end{cases} \qquad \begin{cases} 2a - \frac{4}{3}a \end{cases}$$

$$3x = 6a \qquad \begin{cases} x = \frac{6}{3}a = \frac{2}{3}a \end{cases} \qquad \begin{cases} 2a - \frac{4}{3}a \end{cases} \qquad \begin{cases} 2a - \frac{4}{3}a \end{cases}$$

$$a = 0 \qquad \begin{cases} 0 = 0 \end{cases} \qquad \text{Sist. Indeterminato}$$

$$a \neq 0 \qquad \text{Sist. Det.} \qquad \begin{cases} \frac{2}{3}a - \frac{4}{3}a \end{cases} \qquad a = 0 \qquad \text{Sist. Indeterminato}$$