PAG. 31 N 386

$$\frac{30+3\times-6\times^{2}}{6\times^{2}-9\times-15} = \frac{-3(-10-x+2\times^{2})}{3(2\times^{2}-3\times-5)} =$$

$$= -\frac{2\times^{2}-x-10}{2\times^{2}-3\times-5} = -\frac{2(x-\frac{2}{2})(x+2)}{2(x-\frac{5}{2})(x+1)} = -\frac{x+2}{x+1}$$

$$2x^{2}-3x-5=0$$

$$x=\frac{3\pm\sqrt{9+40}}{4}=\sqrt{5}$$

N 387

$$\frac{a^2 - 3a - 4}{2a^2 - 44a + 12} = \frac{(a - 4)(a + 1)}{(2a - 3)(a - 4)} = \frac{a + 1}{2a - 3}$$

RUFFINI

N 431 PM. 35

$$6x^{3}+5x^{2}-4x=0$$

$$x(6x^{2}+5x-4)=0$$

$$6x^{2}+5x-4=0$$

$$6x^{$$

$$3 \times^{2} - 18 \times + 2 \times^{3} - 27 = 0$$

$$x^{2}(3+2x) - 9(2x+3) = 0$$

$$(2x+3)(x^{2}-9) = 0 \qquad 2x+3=0 \Rightarrow x=-\frac{3}{2}$$

$$(2x+3)(x-3)(x+3) = 0 \Rightarrow x-3=0 \Rightarrow x=3$$

$$(2x+3)(x-3)(x+3) = 0 \Rightarrow x-3=0 \Rightarrow x=3$$

$$(2x+3)(x-3)(x+3) = 0 \Rightarrow x-3=0 \Rightarrow x=3$$

N 462 PAG. 36

$$x^{3}-2x^{2}-x+2=0$$

$$x(x^{2}-1)-2(x^{2}-1)=0$$

$$(x^{2}-1)(x-2)=0 \quad x^{-1}=0 \quad x=1$$

$$(x-1)(x+1)(x-2)=0 \quad x+1=0 \quad x=-1$$

$$(x-1)(x+1)(x-2)=0 \quad x+1=0 \quad x=-1$$

$$(x-2)(x+1)(x-2)=0 \quad x=2$$

$$2x^{3}-3x^{2}-23x+12=0$$

$$1 \to 2 - 3 - 23 + 12 \neq 0$$

$$-1 \to -2 - 3 + 23 + 12 \neq 0$$

$$(2x^{2}-9x+4)(x+3)=0$$

$$\int_{2x^{2}-9x+4=0}^{2}$$

$$\Delta = 81-32=49$$

$$X = \frac{9+7}{4} = \frac{1}{2}$$

OBIETTIVO = TROVARE LE

SOLUZIONI DEL SISTEMA

UNA SOLUTIONE E

UNA COPPLA (x,y)

$$-x^{2}+2x-1=0$$

 $x^{2}-2x+1=0$
 $\Delta=0$

N 490 PAG. 38

$$\begin{cases} x-y+z=0 & \begin{cases} x=y-2 \\ x^2-y^2+xy+4=0 \end{cases} & \begin{cases} (y-z)^2-y^2+(y-2)y+4=0 \\ y^2+4-4y-y^2+y^2-2y+4=0 \end{cases} \\ y^2-6y+8=0 & \begin{cases} x=4-z=2 \\ y=3\pm 1= \end{cases} & \begin{cases} x=z-z=0 \\ y=4 \end{cases} & \begin{cases} x=z-z=0 \\ y=z \end{cases} \end{cases}$$