$$\frac{2x-1}{4x^2+16x+15} + \frac{2}{2x+3} = \frac{x+4}{2x^2+9x+10}$$

$$4x + 16x + 15 = 0$$

$$4x + 16x + 15 = 0$$
 $2x^{2} + 3x + 10 = 0$

$$= 256 - 240 = 16$$

$$\times = -16 \pm 4$$

$$= -3$$

$$= -3 \pm 1$$

$$=$$

$$x = -16 \pm 4 = \sqrt{-\frac{3}{2}}$$

$$8 = -\frac{3}{2}$$

$$2 \cdot 2 = \frac{3}{2}$$

$$4 \times +16 \times +15 = 4 \left(\times + \frac{5}{2} \right) \left(\times + \frac{3}{2} \right)$$

$$+15 = 4(x + \frac{5}{2})(x + \frac{3}{2})$$
 $2x^2 + 9x + 10 = 2(x + \frac{5}{2})(x + 12)$

$$= (2 \times + 5) (2 \times + 3)$$

$$= (2 \times + 5) (2 \times + 3) \qquad = (2 \times + 5) (\times + 2)$$

$$\frac{2x-1}{(2x+5)(2x+3)} + \frac{2}{2x+3} = \frac{x+4}{(2x+5)(x+2)}$$

C.E.
$$\times 4 - \frac{5}{2}$$

 $\times 4 - \frac{3}{2} \times 4 - 2$

$$(2x-1)(x+2)+2(2x+5)(x+2)$$
 $(x+4)(2x+3)$

$$(2x+5)(2x+3)(x+2)$$

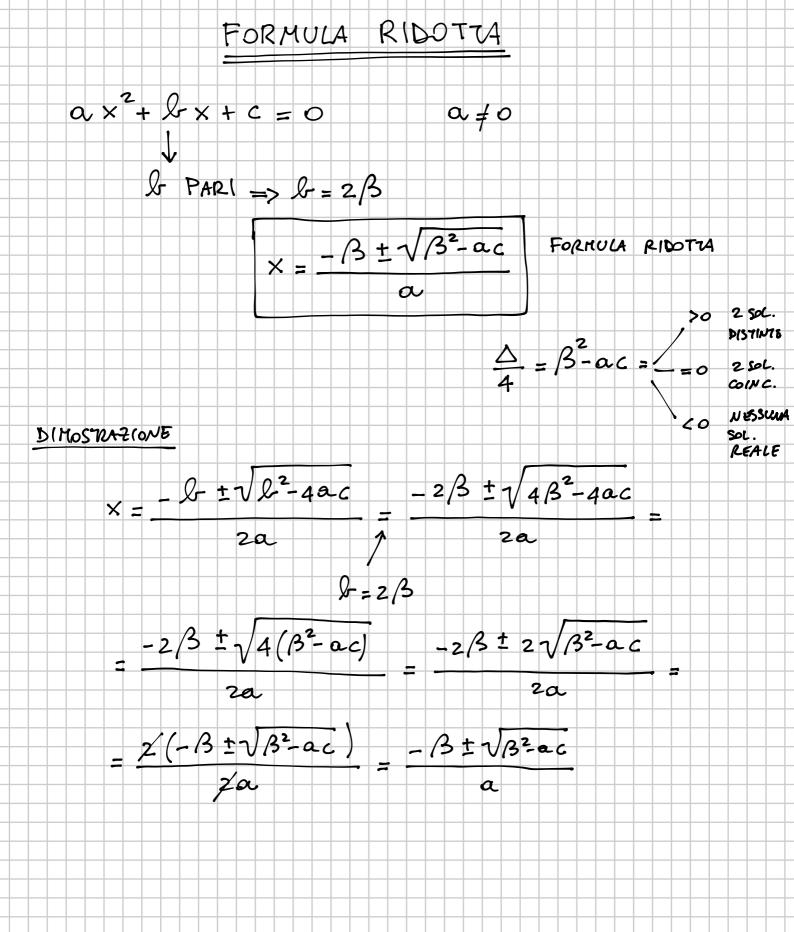
$$(2x+5)(2x+3)(x+2)$$
 $(2x+5)(2x+3)(x+2)$

$$2x^{2}+4x-x-2+2(2x^{2}+4x+5x+10)=2x^{2}+3x+8x+12$$

$$3x - 2 + 4x^2 + 18x + 20 = 11x + 12$$

$$4 \times^2 + 10 \times + 6 = 0$$

$$2 \times^{2} + 5 \times + 3 = 0$$
 $\Delta = 25 - 24 = 1$



$$\triangle = \beta^2 - \alpha c = (-2)^2 - 5 \cdot (-1) = 4 + 5 = 9$$

$$x = \frac{2 \pm \sqrt{9}}{5} = \frac{2 \pm 3}{5} = \frac{1}{5} =$$

$$\times = -\frac{1}{5}$$
 \vee $\times = 1$

$$\frac{1}{2x^2 - 5x - 12} + \frac{1}{4x^2 + 4x - 3} = -\frac{1}{2x + 3}$$

$$(x-4)(2x+3)$$
 $(2x+3)(2x-4)$

$$2 \times^{2} - 5 \times - 12 = 2 \times^{2} - 8 \times + 3 \times - 12 = 2 \times (x - 4) + 3(x - 4) =$$

$$p = -24 - 8 + 3$$

$$= (x-4)(2x+3)$$

$$4x^{2}+4x-3=4x^{2}+6x-2x-3=2x(2x+3)-(2x+3)=$$

$$p = -12 + 6, -2$$

$$= (2 \times + 3)(2 \times - 1)$$

$$2 \times -1 + \times -4$$

$$-(\times -4)(2\times -1)$$

$$(x-4)(2x+3)(2x-1)$$

$$(x-4)(2x+3)(2x-1)$$

$$3x-5 = -2x^{2} + x + 8x - 4$$

$$2 \times^2 - 6 \times - 1 = 0$$

$$\beta = -3$$
 $\frac{\Delta}{4} = 9 + 2 = 11$

$$x = \frac{3 \pm \sqrt{11}}{2}$$

X = 3 ± V11 dops controlle C.E.

153
$$x^2 - 2\sqrt{3}x + 2 = 0$$
 $\beta = -\sqrt{3}$

$$\beta = -\sqrt{3}$$

$$\frac{\Delta}{4} = \beta^2 - \alpha c = 3 - 2 = 1$$

$$x = -\beta \pm \sqrt{\frac{\Delta}{4}} = \sqrt{3} \pm 1$$

151
$$4x^2 - 60x - 31 = 0$$

$$\frac{2}{4} = 300 + 124 = 1024 = 32^{2}$$

RAPPRESENTAZIONE GRAFICA

DI
$$y = a \times^2 + b \times + c$$
 $(a \neq 0)$

The quoties di $y = a \times^2 + b \times + c$ con $a \neq 0$ is una parabola con and di nimmativa famillar obl'one y .

 $y = x^2 - 3x + 2$

INTERSERIANI CON

411 ASSI:

 $y = x^2 - 3x + 2$
 $y = 0$ $(ane \times)$
 $y = x^2 - 3x + 2$
 $y = 0$ $(ane \times)$
 $x^2 - 3x + 2 = 0$
 $x = 3 + 4 = 0$
 $x = 0$

VERTICE DELIA PARABOLA $(a \neq 0)$
 $(a \neq 0)$