270
$$a^5 + a^4b - a^3 - a^2b$$

$$= a^{2}(a^{3} + a^{2}b - a - b) =$$

$$= a^{2} \left[a^{2} (a + b) - (a + b) \right] =$$

$$= a^2 \left[(a+b^2)(a^2-1) \right] =$$

$$= a^2(a+b)(a-1)(a+1)$$

$$271 0,04t^5 + 0,12t^4 + 0,09t^3 =$$

$$= \frac{4}{100} + \frac{5}{100} + \frac{12}{100} + \frac{4}{100} + \frac{9}{100} + \frac{3}{100} =$$

$$= \frac{1}{100} t^{3} (4t^{2} + 12t + 9) = \frac{1}{100} t^{3} (2t + 3)^{2}$$

TRINOMIO DI 2° GRADO

SONIA PRODUCTO

$$X + 5 \times + 4 = (x + 1)(x + 4)$$

COETFICIENTE E 1

Deno trovore (fer tentotivi) due numei

lo air somme E 5 e il air probotto

e 4. Sono 1 e 4

PROVA -> $(x + 1)(x + 4) = x^2 + 4x + 1x + 1 \cdot 4$

Somme 5 x

$$a^2 - 3a - 4 = (\alpha - 4)(\alpha + 1)$$

$$296 x^2 - 6x + 5 = y^2 - 7y + 10 =$$

$$= (x-5)(x-1) = (y-5)(y-2)$$

302
$$t^2 + 15t + 50 =$$
 $t^2 - 10t + 24 =$ $= (t+5)(t+40)$ $= (t-6)(t-4)$

$$323 \quad 2a^2 + a - 3 =$$

$$=2a^{2}+3a-2a-3=a(2a+3)-(2a+3)=$$

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

$$321 \quad 3a^2 + 5a - 8 = 3a^2 + 8a - 3a - 8 =$$

$$50M4 = 5$$
 $-> 8, -3$
 $= (3a + 8) - (3a + 8) =$
 $900. = 3(-8) = -24$
 $= (3a + 8)(a - 1)$

$$2b^2 + 5b - 7 = 2l^2 + 7l - 2l - 7 =$$

$$S = 5$$

$$P = 2(-7) = -14$$

$$= (2b + 7) - (2b + 7) = (2b + 7)(b - 1)$$

$$2x^2 + 17x - 30 = 2x^2 + 20x - 3x - 30 =$$

$$S = 17$$
 $\Rightarrow 20, -3$
 $= 2 \times (x + 10) - 3(x + 10) = 0$
 $\Rightarrow 20, -3$
 $= (x + 10)(2x - 3)$

AS ES.
$$2x^2 + x + 1 = IRRIDUCIBILE (NON SCOMPONIBILE IN R)$$

Color il
$$\Delta = l^2 - 4ac$$

Nel notro cos $a = 2 l = 1 c = 1$

DELTA
$$\Delta = 1^2 - 4 \cdot 2 \cdot 1 = 1 - 8 = -7 < 0$$

$$\Delta > 0 \Rightarrow SCOMPONIBILE$$

$$2x^2 + x + 1$$

$$0 \Rightarrow SCOMPONIBILE$$

$$0 \Rightarrow TULNOMIO IRELDUCIBILE IN R$$