21/11/2019

152
$$[(x^{2n})^{2n+3}]:[(x^n)^{n+2}]^3-[2(x^n)^n-x^n]-(2x^n-x^{n^2})=$$

$$= \times \begin{bmatrix} \times m(2m+3) & \times m(m+2) \end{bmatrix}^3 - \begin{bmatrix} \times m^2 & \times m^2 \\ -2 & \times m \end{bmatrix} - 2 \times m + \times m^2 = 0$$

$$= \frac{4n^{2}+6m}{2} \left[\frac{1}{2} \frac{1}{2}$$

$$= \times 4m^2 + 6m \qquad 3m^2 + 6m \qquad - \times m^2 \qquad m$$

$$= \times 4m^2 + 6m \qquad \times m^2 \qquad - \times m \qquad =$$

$$= \times 4m^{2} + 6m - (3m^{2} + 6m) - \times m^{2} - \times m =$$

$$4m^{2}+6m-3m^{2}-6m$$
 $- \times m^{2} - m$

$$= \times^{n^2} - \times^{n^2} - \times = [-\times^n]$$

154
$$(2x+1)(x-2) =$$

Applies rijetutamente la

proprieta distributiva

 $2 \times (x-2) + 1 \cdot (x-2) = \cdots$

$$= 2 \times^{2} - 4 \times + \times - 2 = 2 \times^{2} - 3 \times - 2$$

$$(x^2 + 2y^2)(x - y) =$$

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

159
$$x(x-1)(x+2) = 1$$

$$= \times (x^{2} + 2x - x - 2) = \times (x^{2} + x - 2) =$$

Sarelle stats commane corretts esequire cost:

$$X(X-1)(X+2) = (X^2-X)(X+2) = X^3+2X^2-X^2-2X =$$

168
$$(x-2)(x^2+1)(x+3) =$$

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

$$= \times^{4} + 3\times^{3} + \times^{2} + 3\times - 2\times^{3} - 6\times^{2} - 2\times - 6 =$$

$$= \times^4 + \times^3 - 5 \times^2 + \times -6$$

$$\frac{162}{5} \left(\frac{1}{5} a^3 - \frac{1}{10} \right) (10a^3 - 5) =$$

$$= 2a^{6} - a^{3} - a^{3} + \frac{1}{2} = 2a^{6} - 2a^{3} + \frac{1}{2}$$

171
$$(x^n-1)(x^n+4) =$$

$$= \times +4 \times - \times -4 = \times +3 \times -4$$

197
$$(a^2 - a^3)(a - a^2) + (a + a^3)(a^2 - a) - a^3(2a^2 - 3a + 2) =$$

$$= 2^{3} - 2^{4} - 2^{4} + 2^{5} + 2^{3} - 2^{2} + 2^{5} - 2^{4} - 22^{5} + 32^{4} - 22^{3} =$$

201
$$(x^2-2x+1)(x^2-2x-1)-(x^2+1)(x^2-2)+(-2x)(-2x^2)$$

$$= x^{4} - 2x^{3} - x^{2} - 2x^{3} + 4x^{2} + 2x + x^{2} - 2x - 1 -$$

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

$$= x^{4} + 4x^{2} - 1 - x^{4} + 2x^{2} - x^{2} + 2 =$$

$$\frac{131}{2a-b}(2a+b) + \left(a - \frac{1}{2}b\right)(2a+b) - \left[a^2 + \frac{1}{2}b^2 - (2ab)^2 : (-8ab)\right] =$$

$$= \frac{a^2 + \frac{1}{2}ab - 2ab - b^2 + 2a^2 + ab - 2ab - \frac{1}{2}b^2 - \frac{1}{2}b^2 - 4a^2b^2 :$$

$$: (-8ab) =$$

$$= 3a^2 - \frac{3}{2}ab - \frac{3}{2}b^2 - \left[a^2 + \frac{1}{2}b^2 + \frac{1}{2}b^2 + \frac{1}{2}b^2 - 4a^2b^2 :$$

$$= 3a^2 - \frac{3}{2}ab - \frac{3}{2}b^2 - \left[a^2 + \frac{1}{2}b^2 + \frac{1}{2}ab^2 + \frac{1}{2}ab^2 - \frac{1}{2}ab^2 -$$

$$= \left[\frac{5}{3} \times + \frac{1}{3} y - \frac{2}{3} \times - \frac{10}{3} y \right] \left[-x(x+2y) + (x-y)(x+2y) \right] - (-2y)(-3y^2) =$$

$$= \left[\frac{5}{3} \times + \frac{1}{3} y - \frac{2}{3} \times - \frac{10}{3} y \right] \left[-x^2 - 2 \times y + x^2 + 2 \times y - x y - 2 y^2 \right] - (6y^3) =$$

$$= [x-3y][-xy-2y^2]-6y^3=$$

$$= - \times^2 y - 2 \times y^2 + 3 \times y^2 + 6y^3 - 6y^3 =$$

$$= - \times^2 y + \times y^2$$

$$[(-6x^4): (-3x) - \frac{1}{3}(-3x)^6: (+3x)^5][(-4x^4): (-2x^2) + x + 1] + x(1 + x - 2x^3)$$

$$= \left[2 \times^{3} - \frac{1}{3}(3 \times)\right] \left[2 \times^{2} + \times + 1\right] + \times + \times^{2} - 2 \times^{4} =$$

$$= \left[2\times^{3} - \times\right] \left[2\times^{2} + \times + 1\right] + \times + \times^{2} - 2\times^{4} =$$

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

208
$$(a^n + 1)(a^n - 2) - (a^n - 1)(a^n + 2) + a^n(a^n + 2) =$$

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

$$= 2a^{2m} + q^{m} - z - a^{2m} - 2a^{m} + q^{m} + z = a^{2m}$$

204
$$(a-b-3)(a+b+3)-(a^2-b^2+4)-3(-2b-3)=$$

$$= 9^{2} + 9l_{r} + 3a - 9l_{r} - 1l_{r}^{2} - 3l_{r} - 3a - 3l_{r} - 8 - a + l_{r} - 4 + 4$$