

## somma algebrica tra monomi

1	$(+8y) + (+y)$	$+9y$
2	$(+3x) + (-5x)$	$-2x$
3	$(-7m) + (+9m)$	$+2m$
4	$(+9xy) + (-xy)$	$+8xy$
5	$(-a^2) + (+2a^2)$	$+a^2$
6	$(-5ab) + (+8ab) + (+ab)$	$+4ab$
7	$(-ax) + (+8ax) + (+ax)$	$+8ax$
8	$(-a^2b^2) + (+5a^2b^2) + (-a^2b^2)$	$+3a^2b^2$
9	$(-5) + (-3bc^2) + (5b^3) + (-5bc^2) + (+7)$	$5b^3 - 8bc^2 + 2$
10	$(16xy) + (-6x^2) + (-8xy) + (+7x^2) + (24x^2) + (+6x^2)$	$+8xy + 31x^2$
11	$\left(\frac{1}{2}a^2b^2\right) + (+5a^2b) + (-a^2b^2)$	$-\frac{1}{2}a^2b^2 + 5a^2b$
12	$\left(-\frac{1}{3}x^2y\right) + (+x^2y) + \left(\frac{1}{5}x^2y\right)$	$\frac{13}{15}x^2y$
13	$\left(+\frac{3}{2}ax^3\right) + \left(\frac{1}{5}ax^3\right) + \left(-\frac{19}{10}ax^3\right)$	$-\frac{1}{5}ax^3$
14	$(-abc) + \left(+\frac{2}{3}abc\right) + \left(-\frac{3}{4}abc\right) + (+7ab) + \left(+\frac{1}{2}abc\right)$	$+7ab - \frac{7}{12}abc$
15	$(+9x) - (-x)$	$+10x$

16	$(-10x^3y) - (+2x^3y)$	$-12x^3y$
17	$(-3b^2x) - (-3bx^2)$	$-3b^2x + 3bx^2$
18	$(-2a^2) - (+3a^2)$	$-5a^2$
19	$(-3x) - (-5x)$	$+2x$
20	$(+7z) - (+9z)$	$-2z$
21	$(-2ab) - \left(\frac{1}{3}ab\right)$	$-\frac{7}{3}ab$
22	$\left(-\frac{4}{5}b^5\right) - \left(-\frac{2}{9}b^5\right)$	$-\frac{46}{45}b^5$
23	$\left(-\frac{3}{4}a^3c\right) - \left(-\frac{3}{4}a^3c\right)$	0
24	$\left(\frac{11}{5}a^3xy\right) - \left(\frac{2}{3}a^3xy\right)$	$\frac{23}{15}a^3xy$
25	$\left(\frac{11}{2}ax^2\right) - (-ax^2)$	$\frac{13}{2}ax^2$
26	$\left(-\frac{7}{4}ab^2xy\right) - (1,75ab^2xy)$	$-\frac{7}{2}ab^2xy$
27	$(3a^nb) - \left(-\frac{1}{2}a^nb\right)$	$\frac{7}{2}a^nb$
28	$4xy - 7xy - xy$	$-4xy$
29	$11x + 6x - 8x - 3x$	$6x$
30	$3ab^2 + 5ab^2 - 7ab^2$	$ab^2$

31	$-5a^3b^2 + 7a^3b^2 + 3a^3b^2$	$5a^3b^2$
32	$7ab^2 - 5a^2b + a^2b + 3ab^2$	$10ab^2 - 4a^2b$
33	$12y + 8x^2 + 7x^2 - 12y - 15x^2$	0
34	$7a^2b^2 - 4a^2b^2 + 8ab + 3ab + 5ab + 9a^2b^2 - ab$	$12a^2b^2 + 15ab$
35	$5x + 3y - [2x - (4y - 3x)]$	7y
36	$4a^3b^2 - (+3a^2b) + (-8z) - (-2a^2b) + 12z - (+4a^3b^2)$	$-a^2b + 4z$
37	$-\frac{2}{3}xy + \frac{3}{4}x^2 - y^2 + \frac{1}{2}xy - \frac{1}{2}x^2$	$\frac{1}{4}x^2 - \frac{1}{6}xy - y^2$
38	$\frac{1}{6}ax^3 - \frac{2}{3}ax^3 + \frac{3}{2}ax^3$	$ax^3$
39	$0,5ab^2c - \frac{1}{5}ab^2c + 0,3ab^2c$	$\frac{3}{5}ab^2c$
40	$\frac{5}{2}a^2x - (-2a^2x) - \left(-\frac{9}{2}a^2x\right) + \frac{7}{4}a^2x + \frac{5}{4}a^2x$	$12a^2x$
41	$5bc + \left(\frac{3}{4}ab\right) + \left(-\frac{1}{2}bc\right) - (-3ab)$	$\frac{9}{2}bc + \frac{15}{4}ab$
42	$-\frac{5}{3}a + a^2 - \left(-\frac{1}{3}a - \frac{1}{2}a\right) - \frac{1}{2}a + \frac{1}{2}a^2$	$-\frac{4}{3}a + \frac{3}{2}a^2$
43	$3xy + \frac{4}{3}xy^3 - \frac{1}{2}xy^2 - 8xy + \left(-\frac{4}{3}xy^3\right) + 2xy - \left(\frac{1}{2}xy^2\right)$	$-3xy - xy^2$
44	$-\frac{7}{2}p^2 - \left(-\frac{5}{4}pq\right) - \left(-\frac{1}{4}pq\right) - \left(-\frac{3}{2}p^2\right) + \left(-\frac{3}{4}pq\right)$	$\frac{3}{4}pq - 2p^2$
45	$+\frac{3}{2}abc^2 + \left(\frac{1}{2}ab^3 - 2ab^3\right) - (+6d^2 - 2d^2) - abc^2$	$-\frac{3}{2}ab^3 + \frac{1}{2}abc^2 - 4d^2$

46	$0, \bar{3}cd - \left(0,2cd + \frac{1}{3}cd\right) - \frac{2}{3}cd + \left(\frac{1}{5}cd + \frac{2}{3}cd\right)$	0
47	$3ab^2 - \left(-\frac{2}{3}a^2b\right) + 2a^2b - \left[-(-ab^2) - \left(-\frac{3}{4}ab^2\right)\right]$	$\frac{8}{3}a^2b + \frac{5}{4}ab^2$
48	$\frac{5}{2}xy + \frac{1}{2}x^2y^2 - \left(-\frac{4}{3}x^2y^2\right) + \frac{3}{5}xy + \left(-\frac{3}{2}xy\right) - \left(+\frac{3}{4}x^2y^2\right)$	$\frac{8}{5}xy + \frac{13}{12}x^2y^2$
49	$-abc + \frac{1}{2}a^2 - \left(-\frac{1}{3}a^2\right) + \left(-\frac{5}{4}abc\right) - \left(-\frac{5}{4}a\right) + 3abc - \left(-\frac{1}{2}a\right)$	$\frac{3}{4}abc + \frac{5}{6}a^2 + \frac{7}{4}a$
50	$\frac{3}{2}x^2y - \left(\frac{1}{5}x^2y + \frac{1}{3}x^2y - \frac{2}{3}x^2y\right) - \frac{3}{2} - x^2y - \left(-1 - \frac{1}{2}\right) + x^2y$	$\frac{49}{30}x^2y$
51	$\left(-\frac{7}{24}mn\right) + \left\{\frac{7}{3}mn - \left[\frac{19}{12}mn - \left(\frac{1}{2}mn + mn - \frac{3}{8}mn\right)\right]\right\}$	$\frac{19}{12}mn$
52	$\frac{4}{5}x^m y^{2n} - \frac{2}{3}xy + \left(-\frac{2}{5}x^m y^{2n}\right) - (-4xyz)$	$\frac{2}{5}x^m y^{2n} - \frac{2}{3}xy + 4xyz$
53	$-\left(+\frac{1}{3}x^p y^q\right) - \frac{2}{5}x^{2p} y^q + (-2x^{2p} y^q) - \frac{1}{5}x^p y^q$	$-\frac{8}{15}x^p y^q - \frac{12}{5}x^{2p} y^q$
<b>prodotto tra monomi</b>		
54	$(+3x)(-4x)$	$-12x^2$
55	$(+5a)(-3a)$	$-15a^2$
56	$(+2a)(-4ab)$	$-8a^2b$
57	$ax(+5y)$	$5axy$
58	$(-3b^2x)(-3bx^2)$	$+9b^3x^3$
59	$\frac{3}{4}ab^2 \left(-\frac{2}{9}a^3bc\right)$	$-\frac{1}{6}a^4b^3c$
60	$-2abc^3 \left(-\frac{1}{4}a^2c\right)$	$+\frac{1}{2}a^3bc^4$

61	$-3a^3b^2x^3y(-abx^5y^2)$	$-3a^4b^3x^8y^3$
62	$axy^3(-a^2x)(-2bx)$	$2a^3bx^3y^3$
63	$-\frac{1}{4}xy(-2b^3y^3z^2)(-5by^2)$	$-\frac{5}{2}b^4xy^6z^2$
64	$-2x(-3x^2)\left(-\frac{1}{3}xy\right)\left(-\frac{1}{2}y^2\right)$	$x^4y^3$
65	$(-6xy)\left(-\frac{1}{3}x^2y\right)\left(\frac{1}{4}xy\right)$	$+\frac{1}{2}x^4y^3$
66	$(-5a^3b^2)\left(+\frac{2}{3}a^2\right)\left(-\frac{3}{10}ab^2c\right)$	$+a^6b^4c$
67	$\left(-\frac{2}{5}a^2b\right)(-5ab^3)\left(-\frac{3}{2}ab^4\right)$	$-3a^4b^8$
68	$(0,4ab)\left(-\frac{2}{5}a^2b\right)$	$-\frac{4}{25}a^3b^2$
69	$-\frac{5}{2}xy^2\left(+\frac{1}{3}xy\right)\left(-\frac{1}{5}x^2y\right)$	$\frac{1}{6}x^4y^4$
70	$\left(\frac{8}{7}b^4 - \frac{1}{7}b^4 - b^4\right)(8b - 3b)$	0
71	$-\frac{2}{5}x^2y\left(-\frac{1}{2}x^2y\right) + \frac{1}{10}x^2y(-2x^2y^2)$	$\frac{1}{5}x^4y^2 - \frac{1}{5}x^4y^3$
72	$-3ab^2(-2a^2b) + 4a^3b^3 - (-2a^3b)(-3b^2) - 8a^3b^3$	$-4a^3b^3$
73	$x^2b^2(-3x^3b) + 2x^2(-4x^2b)(-xb^2) - (-4x^3b^2)(-x^2b)$	$b^3x^5$
74	$xy(3x^2y^2) - 2xy(-5xy) + x^2y^2(-3xy) - 10xy(xy)$	0
75	$\left(\frac{1}{2}xy - xy\right)(x^2 - 3x^2 + 4x^2)$	$-x^3y$

76	$5ab\left(-\frac{2}{5}ab^3\right) - a^2b^2\left(-\frac{1}{2}b^2\right)$	$-\frac{3}{2}a^2b^4$
77	$-2 - \frac{5}{9}\left(-\frac{1}{5}y\right) - \frac{3}{2}y - \frac{25}{9}\left(-\frac{6}{5}y\right) + \frac{3}{4} - \frac{1}{9}y$	$\frac{11}{6}y - \frac{5}{4}$
78	$\frac{2}{3}a^2\left(-\frac{5}{8}ab\right) + \frac{4}{5}a^2b\left(-\frac{3}{8}a\right) - \frac{3}{4}ab\left(-\frac{10}{9}a^2\right)$	$\frac{7}{60}a^3b$
79	$\frac{3}{5}x^2y(0,3x) + \frac{2}{5}y\left(-\frac{1}{2}x\right)(x^2) + xy\left(-\frac{1}{5}\right)y$	$-\frac{1}{50}x^3y - \frac{1}{5}xy^2$
80	$a[a^2x - (2a^2x - 3a^2x)] - 3a^2\left(\frac{5}{3}ax\right) + 1 + 4a^2x\left(2a - \frac{3}{2}a\right)$	$1 - a^3x$
81	$6a^2b\left(a - \frac{1}{2}a\right) + a[a^2b - (2a^2b - 3a^2b)] - 5ba^3$	0
82	$y(3xy - 4xy)x + \frac{2}{3}xy\left[\frac{3}{2}xy - (xy + 2xy)\right] - y$	$-2x^2y^2 - y$
83	$ax(x - 2x) + \frac{2}{3}ax - \frac{3}{2}\left[ax + 2ax - \left(\frac{1}{2}ax - ax\right) + 2ax + x(-5a)\right]$	$-\frac{1}{12}ax - ax^2$
84	$p\left\{q\left[x^2 - 3\left(x^2 - \frac{1}{3}x^2\right)\right]\right\} + x^2(pq - 2pq) + qx^2\left[p + 2\left(p - \frac{1}{3}p\right)\right]$	$\frac{1}{3}pqx^2$
85	$3a^2b^{m-1}(2a^mb^3)$	$6a^{m+2}b^{m+2}$
86	$\frac{1}{4}x^{3n}\left(-\frac{8}{3}x^n\right)$	$-\frac{2}{3}x^{4n}$
87	$5a^mb^{2n}\left(-\frac{1}{4}a^{2m}b^n\right)$	$-\frac{5}{4}a^{3m}b^{3n}$
88	$-\frac{1}{4}x^{2n+1}y^n\left(-\frac{4}{3}x^ny^{n+1}\right)$	$\frac{1}{3}x^{3n+1}y^{2n+1}$
89	$5\left(-\frac{3}{4}xy^2\right) - x^2(-3x^ny) + 2x^n(-x^2y)$	$-\frac{15}{4}xy^2 + x^{n+2}y$
90	$2x^m(-x^2) + \frac{2}{3}x(x^m)x - 3xy(-y^4) - \frac{1}{3}x^2(-2x^m)$	$3xy^5 - \frac{2}{3}x^{m+2}$

## divisione tra monomi

91	$a^5 : a^3$	$a^2$
92	$2z^3 : z^2$	$2z$
93	$3x^2 : x^2$	$3$
94	$49xy : 7xy$	$7$
95	$10a^6bc^2 : 5a^3c^2$	$2a^3$
96	$-12a^2b : (-3ab)$	$4a$
97	$-20a^3b^2 : 4ab$	$-5a^2b$
98	$-a^2b^3c : 5a^2bc$	$-\frac{1}{5}b^2$
99	$-\frac{4}{3}x^3y^4z : \left(-\frac{5}{3}x^2y^2\right)$	$\frac{4}{5}xy^2z$
100	$-\frac{2}{3}x^4y^5z^2 : \left(-\frac{5}{2}x^3y^2z\right)$	$\frac{4}{15}xy^3z$
101	$-\frac{7}{2}a^3b^5c^2y^3 : \frac{21}{4}a^3b^2c$	$-\frac{2}{3}b^3cy^3$
102	$-\frac{3}{4}a^3b^2p^4q^4 : \left(-\frac{3}{8}ab^2p^3q^2\right)$	$2a^2pq^2$
103	$-\frac{5}{3}a^6b^5c^2 : \left(-\frac{3}{4}a^5b^4c\right)$	$\frac{20}{9}abc$
104	$15a^2b^3 : (+3a^2b^2) - (-6ab) : (-2a) + 3b$	$5b$
105	$36a^4 : (6a^2) - (-8a^3b + 2a^3b) : (-3ab)$	$4a^2$

106	$2x^2(-6xy):(3x^2y) + 3xy:(-y) + 15x^2y^3:(-3xy^3)$	$-12x$
107	$-\frac{1}{3}a^4y^2:(-\frac{1}{9}ay) + \frac{1}{2}ay:(-\frac{3}{2}) + \frac{4}{3}ay$	$3a^3y + ay$
108	$16x^3y^4:(-4x^2y^2)(-\frac{3}{4}xy^2)$	$3x^2y^4$
109	$-\frac{25}{18}a^7:(\frac{10}{9}a^4):\frac{25}{18} + (-\frac{15}{4}a^2)(-\frac{3}{5}a)$	$\frac{27}{20}a^3$
110	$\frac{3}{5} + \frac{9}{8}x^3:(-\frac{3}{4}x) + \frac{1}{2}x - 2 + \frac{2}{5}(-\frac{5}{3}x) - \frac{3}{4}x^5:(-\frac{1}{2}x^3)$	$-\frac{1}{6}x - \frac{7}{5}$
111	$-\frac{5}{8}m^3n^5(-\frac{3}{2}m^3n^4):(\frac{9}{10}m^5n^6) + \frac{21}{4}m^5n^7:(-\frac{9}{2}m^4n^4)$	$-\frac{1}{8}mn^3$
112	$(\frac{3}{4}a^3bc^4):(-3abc^2)(-\frac{1}{3}ac)$	$\frac{1}{12}a^3c^3$
113	$b - [2b + bn:(3n - \frac{n}{2})] + 8b^3:(4b^2)$	$\frac{3}{5}b$
114	$[(\frac{1}{3}ab^2)(-3a^2b)(-5a^2b)]:[(4a^2b)(-3ab^2)(\frac{1}{3}b)]$	$-\frac{5}{4}a^2$
115	$[(\frac{3}{5}x^3y^3z^5):(-\frac{1}{5}x^3y^3z^3) + \frac{3}{2}(-\frac{z^2}{2})]:(3z)$	$\frac{3}{4}z$
116	$\{[ax^4y^2:(-\frac{1}{3}ax^3y)]:(-\frac{1}{5}xy)\}(\frac{1}{3}axy)$	$5axy$
117	$-\frac{1}{3}at(2t) - 2a^3t^2:(+3a^2) + \frac{5}{2}a^3t^2:(-3at) + \frac{3}{2}at(\frac{1}{2}a)$	$-\frac{4}{3}at^2 - \frac{1}{12}a^2t$
118	$45a^3b^{4m}:(-9ab^{3m})$	$-5a^2b^m$
119	$-12x^{2m}y^3z^5:(-3x^5y^n)$	$4x^{2m-5}y^{3-n}z^5$
120	$(b^m c^n + \frac{1}{2}b^m c^n)(2c^n - 3c^n):(\frac{3}{2}b^m - b^m)$	$-3c^{2n}$



121	$(a^{2n} + 2a^{2n} - 4a^{2n}) : \left(a^{1-n} - \frac{1}{2}a^{1-n}\right)$	$-2a^{3n-1}$
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122	$(a^3)^2$	$a^6$
123	$(-x^4)^3$	$-x^{12}$
124	$(+2z)^3$	$8z^3$
125	$(-2a^5bc^3)^4$	$16a^{20}b^4c^{12}$
126	$(-a^2b^3)^2$	$a^4b^6$
127	$(-2xyz^3)^3$	$-8x^3y^3z^9$
128	$\left(-\frac{1}{4}x^2y\right)^3$	$-\frac{1}{64}x^6y^3$
129	$\left(\frac{1}{2}a^3b^5c^3\right)^3$	$\frac{1}{8}a^9b^{15}c^9$
130	$\left(-\frac{2}{3}a^{13}x^{15}\right)^0$	1
131	$\left(-\frac{1}{3}x^3y^2\right)^3$	$-\frac{1}{27}x^9y^6$
132	$(-0,2a^3)^3$	$-\frac{1}{125}a^9$
133	$(0, \bar{3}ab^2)^2$	$\frac{1}{9}a^2b^4$
134	$(-1,5xy^4)^3$	$-\frac{27}{8}x^3y^{12}$
135	$[(-x^2y^3t)^2]^5$	$x^{20}y^{30}t^{10}$

136	$\left[\left(\frac{1}{2}x^2y\right)^2\right]^3$	$\frac{1}{64}x^{12}y^6$
137	$[-(-xy)^2]^3$	$-x^6y^6$
138	$\left(-\frac{1}{2}a^2b\right)^2$	$\frac{1}{4}a^4b^2$
139	$[(-xy^3)^3]^2$	$x^6y^{18}$
140	$\left(-\frac{1}{2}b^2t\right)^3$	$-\frac{1}{8}b^6t^3$
141	$\left(2x - \frac{1}{2}x\right)^2 (-2xy - 2xy)^3$	$-144x^5y^3$
142	$\left(-\frac{2}{3}a^3b^2c\right)^3 : \left(+\frac{4}{3}a^2bc\right)^2 (3abc^2)$	$-\frac{1}{2}a^6b^5c^3$
143	$-\frac{2}{3}xyz^2(+3xy^3)^3(-xy)^4$	$-18x^8y^{14}z^2$
144	$\left[\left(\frac{1}{2}a^5b^3\right)^2 (2ab^2)^3\right] : (-ab)^2$	$2a^{11}b^{10}$
145	$\left(-\frac{3}{2}ab - 0,5ab\right)^3 \left(1 - \frac{2}{3}\right)^2$	$-\frac{8}{9}a^3b^3$
146	$ab^3c \left(-\frac{3}{4}abc^2\right)^2 : \left(\frac{1}{2}a^2b^3c^3\right)$	$\frac{9}{8}ab^2c^2$
147	$\left(\frac{1}{3}ab + \frac{1}{2}ab + \frac{1}{6}ab\right)^4 : (-a^2b^2)^2$	1
148	$3x(-5x^3) + (-x^2)^2 + (-4x^2)(-2x^2)$	$-6x^4$
149	$(xy^2)^2 + y^2(-3xy) - 5x^2y^4 - xy^2(-4y)$	$-4x^2y^4 + xy^3$

150	$-7a^3 + 18a^5 : (-6a^2) - 2a^2(-a) + 3a^3 - 20a^3 : (-4)$	0
151	$2a(-2ab)^3 - 6(-a^2b)(-a^2b^2) + 5a^4b^3 + 8a^6b^3 : (-2a^2)$	$-21a^4b^3$
152	$[-ab^3(-5a^3b) : (-ab)^2]^2 : \left(-\frac{5}{3}ab^2\right)^2 - 2a^2$	$7a^2$
153	$\frac{1}{2}(a^2)^3 + (-3a^3)^2 - [ -(-2a^2)^3(-24a^3)^0 + (-a^3)^2 ]$	$\frac{1}{2}a^6$
154	$a^2x^2(-2a^2x)^2 - (-3a^9x^5)^2 : (a^2x)^6 - (-2a^2x^2)^3 : x^2$	$3a^6x^4$
155	$[(-x)^2]^2(-y)^4 : (-xy)^2 + \frac{1}{3}x^2y^4 : (-y)^2 - (3x^3yz)^2 : (x^4z^2)$	$-\frac{23}{3}x^2y^2$
156	$\left[ \left(-\frac{1}{2}a^2 - \frac{3}{2}a^2\right)^2 (-b)^3 - (-3a^2)^2(-b)^3 \right] : (-5b) : (-a^2b)^2$	-1
157	$\left\{ \left[ \left(+\frac{1}{2}ab^2 + \frac{1}{3}ab^2\right)^2 : \left(\frac{5}{18}a^2\right) + \frac{3}{2}b^4 \right] : (2b^3) - 2b \right\}^6$	0
158	$\left(\frac{3}{2}x^m y^2\right)^3$	$\frac{27}{8}x^{3m}y^6$
159	$[(a^{p+2}b^{1-q})^2]^3$	$a^{26+12}b^{6-6q}$
160	$[(-2a^m b^n)^p]^q$	$(-2)^{pq} a^{mpq} b^{npq}$
<b>espressioni fra monomi</b>		
161	$-2a(3b^2) + b(-4ab) + 12a^2b^2 : 3a$	$-6ab^2$
162	$15a^7 : (-3a^2) - 3a(+2a^4) - 2a^2(-4a^3) + 6a^5$	$3a^5$
163	$(3a - 4a + 2a)^2 [3a^2 - 5a(5a - 4a + 2a)] : (3a^2)$	$-4a^2$

164	$(-ab^2c)^2 + \frac{1}{4}ab^3c^2(ab)$	$\frac{5}{4}a^2b^4c^2$
165	$(-x^3y^2z)^3 + \frac{1}{2}x^2z\left(-\frac{4}{3}xy^2\right)$	$-x^9y^6z^3 - \frac{2}{3}x^3y^2z$
166	$\frac{3}{2}x^2y^4z - 2x^2y^4z + \frac{3}{4}x^2y^4z - \frac{7}{10}x^2y^4z$	$-\frac{9}{20}x^2y^4z$
167	$\frac{2}{3}ab^2\left(-\frac{3}{2}\right)a^3b - (3a^2b)a^2b^2$	$-4a^4b^3$
168	$3a^3b(+2ab^4) + \frac{1}{3}ab^2\left(-\frac{9}{2}a^3b^3\right)$	$\frac{9}{2}a^4b^5$
169	$\frac{3}{2}abx\left(-\frac{8}{3}a^3bx^2\right) + \frac{4}{3}a^4x^3\left(-\frac{1}{2}b^2\right)$	$-\frac{14}{3}a^4b^2x^3$
170	$\frac{2}{3}a^2 - b^2 - a^2 - \frac{2}{3}a + b^2 + 2b + \frac{2}{3}a - \frac{3}{5}b$	$-\frac{1}{3}a^2 + \frac{7}{5}b$
171	$\frac{7}{3}a^2b - \left(-\frac{1}{2}\right) + \left(-\frac{3}{4}a^2b\right) - \left(+\frac{1}{3}\right) - (a^2b)$	$\frac{7}{12}a^2b + \frac{1}{6}$
172	$0,2ab^2 + (-3a^2b) - \left(-\frac{1}{2}a\right) - \left(+\frac{4}{3}a^2b\right) + (-ab^2) - (+0,5a)$	$-\frac{4}{5}ab^2 - \frac{13}{3}a^2b$
173	$[3x^3y^3 : (-2xy)^2] : (-3xy) + [4x^4y^4 : (-2xy)^3] : (-2xy)$	0
174	$\left(-\frac{1}{2}t^3\right)^3 : \left[\frac{2}{3}t(-t^3)^2\right] - t\left(-\frac{3}{4}t^3\right) : \left(\frac{1}{2}t^2\right)$	$\frac{21}{16}t^2$
175	$\left[\left(-\frac{2}{3}x\right)^2\right]^2 : \left(\frac{1}{3}x\right)^3 + \left(-\frac{2}{3}y^3 + 5y^5 : \frac{5}{6}y^2\right) : y^2 + \frac{2}{3}x$	$6x + \frac{16}{3}y$
176	$[7ab + 2a(-4b)]^3 - ab\left(\frac{1}{3}ab\right)^2 - \frac{5}{2}a^2b\left(-\frac{1}{3}ab^2\right)$	$-\frac{5}{18}a^3b^3$
177	$\frac{2}{3}x - \left(-\frac{1}{2}x^2y\right) + 3x^2y + (-x) - (2x^2y) + (-x) - \left(-\frac{1}{2}x\right)$	$-\frac{5}{6}x + \frac{3}{2}x^2y$

178	$\frac{3}{4}axy^2 + \left(-\frac{1}{2}a^2xy^2\right) + \left(-\frac{1}{4}axy^2\right) + \frac{2}{5} - (-3a^2xy^2) - 3$	$\frac{1}{2}axy^2 + \frac{5}{2}a^2xy^2 - \frac{13}{5}$
179	$\left[(-y)(-5) + \frac{3}{4}xy(-4xy^2) - 5y + 3xy(2xy^2)\right] \left(-\frac{7}{27}xy^2z\right)$	$-\frac{7}{9}x^3y^5z$
180	$\frac{3}{2}xy^3 \left(-\frac{8}{9}x^2y^4\right) + 2ab^5(-3a^2b) + \frac{1}{7}x^3y^5 \left(-\frac{7}{2}y^2\right)$	$-\frac{11}{6}x^3y^7 - 6a^3b^6$
181	$-2m^2n(3mn^4) + \frac{1}{3}x^2y^3 \left(-\frac{1}{3}xy\right) + 2x^3 \left(-\frac{1}{2}y^4\right) + mn^3(-2m^2n^2)$	$-8m^3n^5 - \frac{10}{9}x^3y^4$
182	$-2x \left(\frac{1}{2}x^2y\right) (+3xy^2z) - 5x^3(-2y^2z) \left(\frac{1}{10}xy\right)$	$-2x^4y^3z$
183	$\left[\frac{5}{2}m^3n^2 : (-3mn) - \frac{5}{3}mn \left(-\frac{1}{2}m\right) - \frac{1}{3}mn(2n) - 4m^3n^2 : (3m^2)\right]^3$	$-8m^3n^6$
184	$\left(\frac{1}{3}bc^2x^2\right)^3 \left(\frac{1}{2}b^2cx^3\right)^2 + \frac{1}{2}b(-b^3c^4x^6)^2$	$\frac{55}{108}b^7c^8x^{12}$
185	$\left(-\frac{1}{2}a^2\right)^3 : \left(\frac{1}{32}a^5\right) - 2a + 7a^2 + \frac{10}{3}a^5 : \left(-\frac{2}{3}a^3\right) - \left(-\frac{3}{2}a\right)^2 : \left(-\frac{3}{4}\right)$	$5a^2 - 6a$
186	$\left(-\frac{1}{2}xyz^2\right) \left(-\frac{1}{2}xz\right) + \left[\left(-\frac{3}{2}xyz^2\right)^2 \left(-\frac{1}{2}x^2yz^3\right)\right] : \left(+\frac{3}{2}xyz^2\right)^2$	$-\frac{1}{4}x^2yz^3$
187	$\left[\left(\frac{1}{2}x^4y^3z\right)^0\right]^3 + \frac{1}{2}x^4yz(-3xy)^3 - \frac{5}{4}x^3z(xy)^4$	$1 - \frac{59}{4}x^7y^4z$
188	$\left[\left(\frac{3}{5}x^2y^2\right) \left(\frac{2}{3}x^3y\right)\right]^2 : \left(\frac{8}{5}x^8y^5\right) - \left(\frac{2}{3}xy - \frac{1}{4}xy\right) (3x^2y) : (-xy)$	$\frac{27}{20}x^2y$
189	$(-x^2)^2 - 0,75x \cdot [-x^3z^2 : (-xz)^2]^3 \left[+\frac{1}{3}x^3z^2 : (-0, \bar{3}xz^2)\right]^2$	$\frac{11}{4}x^4$
190	$5y \cdot [-0,5y^2 \cdot (-5x^3)^2 : (-5x^2)^3] - y^3 \cdot [-0, \bar{2}x^2 : (-0, \bar{3}x)^2]^2$	$-\frac{7}{2}y^3$
191	$-\frac{12}{5}a \left(-\frac{3}{4}a^2b^3\right)^2 + \frac{2}{15}a^2 \left(+\frac{3}{2}ab^2\right)^3 - \left(-\frac{1}{5}a^5b^6\right)$	$-\frac{7}{10}a^5b^6$

192	$\left[\frac{2}{7}x^5y^7z^9 : \left(\frac{3}{14}x^3y^5z^7\right) - \frac{1}{3}(-xyz)^2\right]^3 : \left[x^2y^2z^7 : \left(\frac{1}{7}x^2yz^6\right)\right]$	$\frac{1}{7}x^6y^5z^5$
193	$(ab - 2ab)^{10} \frac{1}{2} + \frac{1}{3}[3a^2b^2 - 2(ab)^2]^5 - \left(-\frac{1}{2}ab^5\right)^2 [(-a^2)^2]^2$	$\frac{7}{12}a^{10}b^{10}$
194	$\frac{1}{2}\{4a^2x^3y - 3a[4a^5x^7y : (2a^4)x^4]\}^2 : [2x(a^2x)^2 - 3a^4x^3]$	$-2x^3y^2$
195	$8y\left(-\frac{1}{2}b^3y^2\right)^3 : [-by(-b^2)^2] + [(-2by)^3 : (-4b)]^2$	$5b^4y^6$
196	$2a^2 + [-5a^3b(-ab^3) : (-ab)^2]^2 : (-5ab^2)^2 - (-3a)^2$	$-6a^2$
197	$\left[-2x\left(-\frac{1}{2}t\right)^2\right]^4 : \left[(-t^2)^4\left(-\frac{3}{8}x^3\right)\right] + \frac{5}{2}x^3 : (-x)^2$	$\frac{7}{3}x$
198	$(-ab)^5 : \left\{ [(-3a^2)^2(-b)^3]^2 + (-3a^3b^3)^3 : \left(\frac{1}{3}ab^3\right) \right\}^2$	<i>impossibile</i>
199	$[-4x^3y^3 : (y - 2y)^2]^2 : [y(-2x)^2] + \left(-\frac{2}{3}x^2y\right)^3 : \left(\frac{2}{3}xy - xy\right)^2$	$\frac{4}{3}x^4y$
200	$\left[-2ab^3\left(-\frac{1}{2}ax^4\right) + \frac{3}{5}a^2x^2\left(-\frac{5}{2}b^3x^2\right)\right]^3 : \left[ab^3x^2 + \frac{3}{4}b^2(-abx^2)\right]^2$	$-2a^4b^3x^8$
201	$\left[t - x\left(x + \frac{x}{3}\right)\left(x - \frac{x}{3}\right) : \left(x + \frac{x}{3}\right) + \frac{2}{3}x^2\right] - \left[2\left(t - \frac{t}{2}\right)\right]^2$	0
202	$[(2ab^3)^2 : (3ab)] : \left[0,5ab^3(abx) - \frac{1}{2}x(-ab^2)^2\right]^3$	<i>Impossibile</i>
203	$(-ac)^3 : \left\{ \left[-\frac{1}{5}bc\right]^2 : b^2 - \left(-\frac{3}{5}c\right)^2 \right\} + \frac{3}{2}a^3c$	$\frac{37}{8}a^3c$
204	$\left[\left(-\frac{1}{4}x^2\right) : \frac{1}{4}x\right]^2 : (-2x) + (-2x^2)^2 : (-3x^3)$	$-\frac{11}{6}x$
205	$\left[(ax^6y^8 : axy^3)^3 - \frac{1}{3}(ax^4y^5 : ay)^3\left(\frac{1}{2}x^3y^3\right)\right] : \left(-\frac{5}{6}x^5y^5\right)$	$-x^{10}y^{10}$

206	$\frac{1}{5}abm\left(\frac{1}{3}ab^3\right)^3 + \frac{2}{3}b^2m\left(\frac{1}{2}a^2b^4\right)^2 + \frac{1}{2}b^2m(ab^2)^4$	$\frac{91}{135}a^4b^{10}m$
207	$(3abc)^4[(2mnx)^3]^2 + \frac{1}{5}a^4b^4x^6(5c^4m^6n^6)$	$5185a^4b^4c^4m^6n^6x^6$
208	$(-a^3b^5c^7)^3 - \frac{8}{3}ab^3c\left(\frac{1}{2}a^2b^3c^5\right)^4 + \frac{1}{2}a^3bc^6\left(\frac{1}{3}a^3bc^4\right)^5$	$-\frac{7}{6}a^9b^{15}c^{21} + \frac{1}{486}a^{18}b^6c^{26}$
209	$5a(-2ab)^3 + 2b\left(\frac{1}{2}a^2b\right)^2 - (-2ab^2)^2 - 5a^2(-3b^2)^2$	$-\frac{79}{2}a^4b^3 - 49a^2b^4$
210	$(a^2b)^3(-2ab^2)^3 - \left(\frac{1}{2}a^2b^2\right)^3(-2ab)^3 + \left(\frac{3}{2}a^2b^2\right)^4\left(-\frac{4}{9}ab\right)$	$-\frac{37}{4}a^9b^9$
211	$\{(-a^mb^2)^2 + a^{2m}b^8 : (-b)^4\}(-a^mb^2)^2$	$2a^{4m}b^8$
212	$[x^my^2 + x^{m-1}y(xy)]\left(x^m + \frac{1}{2}x^m\right) : (-y^2)$	$-3x^{2m}$
213	$\frac{1}{18}x^n(-3x^{2n}y)^2 - (-2x^n)^4\left(-\frac{1}{32}x^ny^2\right) - x^{2n}y(-x^{3n}y)$	$2x^{5n}y^2$
214	$[0, \bar{6}b(-a^{m+2}) + 0,5a^m(-a^2b) - 2a^{m+1}b(-0, \bar{3}a)]^2$	$\frac{1}{4}a^{2m+4}b^2$
215	$\frac{2}{5}(-x^2)^2 + y^3 - \frac{1}{8}x^6 : \left(-\frac{5}{4}x^2\right) + \frac{3}{2}x\left(-\frac{1}{6}x^3\right) - \frac{8}{15}y\left(\frac{5}{4}y^2\right)$	$\frac{1}{4}x^4 + \frac{1}{3}y^3$
216	$\left[\left(\frac{1}{2}ab^2c^3\right)^2 : \left(-\frac{3}{2}ab^2c^4\right)\right]3a + \left(-\frac{1}{2}abc\right)^2 - a^2b^2c^2$	$-\frac{5}{4}a^2b^2c^2$
217	$4mn^2 - (-5ab^3) + \left(-\frac{3}{4}\right) + (-9ab^3) - \left(-\frac{1}{2}\right) + (-3mn^2) + (-mn^2)$	$-4ab^3 - \frac{1}{4}$
218	$\frac{1}{5}x^2y - \left(\frac{1}{3}x^2y^3\right) + \left(-\frac{3}{2}x^2y^3\right) - 0, \bar{3}x^2y + \left(-\frac{1}{6}x^2y^3\right) - \left(-\frac{5}{6}x^2y\right) - \frac{1}{2}x^2y^3$	$\frac{7}{10}x^2y - \frac{5}{2}x^2y^3$
219	$-(3a^2b + a^2b - 5a^2b) + \frac{1}{2} - \left[a^2b - \left(-\frac{1}{4}a^2b + 2a^2b - a^2b\right)\right] + 2 + \frac{1}{4}a^2b$	$\frac{5}{2} + a^2b$

220	$-\frac{1}{3}b^2 - \left[-\left(-\frac{1}{2}ab\right)\right] - (-4a^2) - \left\{-\left[-\left(-\frac{1}{3}ab\right) - \frac{1}{2}b^2 - \left(-\frac{1}{6}ab\right) - \left(-\frac{1}{2}b^2\right)\right]\right\}$	$4a^2 - \frac{1}{3}b^2$
221	$2xy^{n_t^q} - \left(+\frac{1}{2}xy^{n_t^q}\right) - (+x^m) - \left(+\frac{5}{4}xy^{n_t^q} + \frac{1}{4}xy^{n_t^q}\right) + \left(+\frac{1}{2}x^m\right)$	$-\frac{1}{2}x^m$
222	$\frac{2}{5}a^2bc^3 \left(+\frac{5}{4}ab^2c\right) - \frac{8}{3}ac^2 \left(-\frac{1}{4}a^2b^3c^2\right) + 7a^2b^2c^2 \left(-\frac{1}{7}abc^2\right)$	$\frac{1}{6}a^3b^3c^4$
223	$-\frac{1}{4}x(-2xy)(-8y) - 4xy(-xy) + (-2y)(-2x) - 8\left(-\frac{1}{2}x\right)\left(-\frac{1}{2}y\right)$	$2xy$
224	$\left(-\frac{3}{4}xy\right)\left(2xy + \frac{1}{3}xy\right) - \left(\frac{1}{4}x - 2x\right)\left(\frac{3}{7}xy^2 - \frac{1}{2}xy^2\right) + \left(2x^2 + \frac{1}{5}x^2\right)\left(-\frac{1}{6}y^2 + y^2\right)$	$-\frac{1}{24}x^2y^2$
225	$\frac{1}{2}a^2b^2 \left[-ab\left(-\frac{1}{2}a\right) + \frac{3}{5}a^2(-10b)\right] + \left(-\frac{7}{3}ab\right)\left(-\frac{5}{2}a^2b\right)\left(-\frac{1}{35}ab\right) - 2a\left(\frac{5}{3}a^2b\right)\left(-\frac{9}{4}ab^2\right)$	$\frac{55}{12}a^4b^3$
226	$\left(+\frac{3}{2}ab\right)\left(+\frac{1}{2}a\right) + \left(-\frac{1}{3}ab\right)(2b) - 2a^3b^2 : (+3a^2) + \frac{5}{2}a^3b^2 : (-3ab)$	$-\frac{4}{3}ab^2 - \frac{1}{12}a^2b$
227	$\left(\frac{2}{5}x^4y^3 - \frac{1}{2}x^4y^3\right)(-5xy) : \left(-\frac{2}{3}x^4y^3\right) + \left(-\frac{4}{3}x^3y + \frac{3}{2}x^3y\right) : \left(-\frac{1}{3}x^2\right) + \left(-\frac{1}{2}x\right)\left(\frac{2}{3}y - \frac{1}{2}y\right)$	$-\frac{4}{3}xy$
228	$-\frac{1}{3}x^3y^2 : \left[-2xy\left(-\frac{1}{3}xy\right) + xy^2\left(-\frac{1}{2}x\right)\right] + \left(-\frac{5}{3}x^2y\right)(2x) : \left(\frac{3}{2}x^2y\right) - \frac{4}{3}x^3 : (-2x^2)\left(-\frac{1}{2}\right)$	$-\frac{41}{9}x$
229	$\left[\left(-\frac{5}{3}a^4bx^2\right) : \left(-\frac{10}{3}a^4x^2\right) - \frac{1}{16}b^6 : \left(-\frac{1}{32}b^5\right)\right] : \left[-\frac{1}{8}a^{12}b^6x^3 : \left(-\frac{3}{4}a^{12}b^5x^3\right)\right]$	$15$
230	$\left[\left(-\frac{13}{2}ab + 5ab\right)^3 \left(\frac{13}{2}ab - 5ab\right)^2 : \left(-\frac{3}{2}ab\right)^4\right] \left(-\frac{1}{2}ab\right) - b^2 \left(3a - \frac{1}{2}a\right)^2$	$-\frac{11}{2}a^2b^2$
231	$\frac{1}{3}b(a^3b)^2 + \left(\frac{2}{3}xy^2\right)^3 (a^2m)^3 + \frac{2}{5}a^3 \left(\frac{1}{3}ab\right)^3 + \frac{1}{3}am^3x^3y(ay)^5$	$\frac{47}{135}a^6b^3 + \frac{17}{27}a^6m^3x^3y^6$
232	$-2xy\left(-\frac{1}{3}x^2y\right)^2 : (-6x^3y) - \{-[-x^2(-y)^2]^2\}^2 : \left(-\frac{3}{2}x^2y^2\right)^3 - \frac{1}{3}x^2y^2$	$0$
233	$[x^2y^3(-3xy^2)(+5xy) - 3x^3y^2(-xy^4)] : [-2x^3y(+7xy) + 10(-x^2y)^2]$	$3y^4$



234	$[4,5a^3b^2 \cdot (-0,3a^2b)^2 + (-0,25ab^2) \cdot (-a^3b)^2] : \left[-ab \cdot \left(-\frac{1}{2}a^3b\right)^2\right]$	$-b$
235	$\left[\left(-\frac{1}{2}xy^2\right)^4 x^5y + \left(-\frac{1}{2}x^3y^3\right)^3 + (-x^2y)^3(-xy^2)^3\right] : \left[\left(-\frac{1}{4}x^3y^2\right)^2 - x^6y^4\right]$	$-x^3y^5$
236	$\left[(-a^2b)^3(-ab^2)^3 + \left(-\frac{1}{2}ab^2\right)^4 a^5b + \left(-\frac{1}{2}a^3b^3\right)^3\right] : \left[-\left(\frac{1}{4}a^2b^2\right)^2 + a^4b^4\right]$	$a^5b^5$
237	$25x^6y^4 : (-10x^4y^3) - \left(-\frac{1}{2}xy^2\right)^2 \left(\frac{1}{2}xy^2\right)^5 : \left(\frac{1}{2}xy^2\right)^6 + \left(-\frac{3}{4}x^3y^2\right) : \left(-\frac{1}{2}xy\right) + \frac{2}{3}x^2y - x \left(-\frac{1}{2}y^2\right) - \frac{1}{3}xy$	$-\frac{1}{3}x^2y - \frac{1}{3}xy^2$