Приложение 2.

Преобразование биномиального многочлена в алгебраический.

1. $M = AC_{x-1}^{1} + B = Ax - A + B$

2. $M = AC_{x-1}^{2} + BC_{x-1}^{1} + C = \frac{1}{2}Ax^2 + (B - 1{,}5A)x + A - B + C$

3. $M = AC_{x-1}^{3} + BC_{x-1}^{2} + CC_{x-1}^{1} + D = \frac{1}{6}\left[Ax^3 + 3(B - 2A)x^2 + (11A - 9B + 6C)x\right] - A + B - C + D$

4. $M = AC_{x-1}^{4} + BC_{x-1}^{3} + CC_{x-1}^{2} + DC_{x-1}^{1} + E = \frac{1}{24}[Ax^4 + 2(2B - 5A)x^3 + (35A - 24B + 12C)x^2 +$

$+2(22B - 25A - 18C + 12D)x] + A - B + C - D + E$

5. $M = AC_{x-1}^{5} + BC_{x-1}^{4} + CC_{x-1}^{3} + DC_{x-1}^{2} + EC_{x-1}^{1} + F = \frac{1}{120}[Ax^5 + 5(B - 3A)x^4 + 5(17A - 10B +$

$+4C)x^3 + 5(35B - 45A - 24C + 12D)x^2 + 2(137A - 125B + 110C - 90D + 60E)x] - A + B - C +$

$+D - E + F$

6. $M = AC_{x-1}^{6} + BC_{x-1}^{5} + CC_{x-1}^{4} + DC_{x-1}^{3} + EC_{x-1}^{2} + FC_{x-1}^{1} + J = \frac{1}{720}[Ax^6 + 3(2B - 7A)x^5 + 5(35A -$

$-18B + 6C)x^4 + 5(102B - 147A - 60C + 24D)x^3 + 2(812A - 675B + 525C - 360D + 180E)x^2 +$

$+6(274B - 294A - 250C + 220D - 180E + 120F)x] + A - B + C - D + E - F + J$

и т.д.