Egy n-edfokú $P(x)$ polinomot az együtthatóival adunk meg:

$$P(x) = a_0 + a_1x + a_2x^2 + \ldots + a_nx^n.$$

A polinom deriváltja eggyel kisebb fokszámú polinom:

$$P'(x) = a_1 + 2a_2x + 3a_3x^2 + \ldots + na_nx^{n-1}.$$

Az így kapott polinomot tovább deriválhatjuk, amíg az összes együttható nullává nem válik.

Készítsünk táblázatot (i57.xls), amely egy legfeljebb 10-edfokú polinom deriváltjait adja meg az alábbi formában:

$P(x) =$	$1+$	$1\,x^1+$	$1\,x^2+$	$1\,x^3+$	$1\,x^4+$	$1\,x^5+$	$1\,x^6+$	$1\,x^7+$	$1\,x^8$
1	$1+$	$2\,x^1+$	$3\,x^2+$	$4\,x^3+$	$5\,x^4+$	$6\,x^5+$	$7\,x^6+$	$8\,x^7+$	$0\,x^8$
2	$2+$	$6\,x^1+$	$12\,x^2+$	$20\,x^3+$	$30\,x^4+$	$42\,x^5+$	$56\,x^6+$	$0\,x^7+$	$0\,x^8$
3	$6+$	$24\,x^1+$	$60\,x^2+$	$120\,x^3+$	$210\,x^4+$	$336\,x^5+$	$0\,x^6+$	$0\,x^7+$	$0\,x^8$
4	$24+$	$120\,x^1+$	$360\,x^2+$	$840\,x^3+$	$1680\,x^4+$	$0\,x^5+$	$0\,x^6+$	$0\,x^7+$	$0\,x^8$
5	$120+$	$720\,x^1+$	$2520\,x^2+$	$6720\,x^3+$	$0\,x^4+$	$0\,x^5+$	$0\,x^6+$	$0\,x^7+$	$0\,x^8$
6	$720+$	$5040\,x^1+$	$20160\,x^2+$	$0\,x^3+$	$0\,x^4+$	$0\,x^5+$	$0\,x^6+$	$0\,x^7+$	$0\,x^8$
7	$5040+$	$40320\,x^1+$	$0\,x^2+$	$0\,x^3+$	$0\,x^4+$	$0\,x^5+$	$0\,x^6+$	$0\,x^7+$	$0\,x^8$
8	$40320+$	$0\,x^1+$	$0\,x^2+$	$0\,x^3+$	$0\,x^4+$	$0\,x^5+$	$0\,x^6+$	$0\,x^7+$	$0\,x^8$