2 - Algorytm Tooma-Cooka

Wednesday, 19 June 2024

Toom-3

A = A2 · K2 + A1 · K + A2

B = B2 · K2 + B1 · K + B2

Rozhorny wielomiany

 $A(x) = A_2 x^2 + A_1 x + A_6$

 $B(x) = B_2 x^2 + B_1 x + B_0$

Chang obliceze vielomian AB(x).

AB(x) ma stopien 4.

Enduyen AiBw5 pultoch i nymnożamy.

Noste prie interpolojen ugnik.

 $T(n) = 5 T(\frac{n}{3}) + O(n) = O(n^{\log_3 5}) = O(n^{1.46})$