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MAGYAR TUDOMÁNYOS AKADÉMIA
MATEMATIKAI KUTATÓ INTÉZETE
BUDAPEST V., REÁLTANODA U. 13–15.
TELEFON: 183–675

Dear Dr Mantavičius,

Many thanks for your letter. Under separate cover I am sending you and Professor Kubilius some reprints. By the way Joseph Bala is now in Budapest, Elliott was here in July.

Denote by $V(n)$ the number of distinct prime factors of n - it easily follows from the prime number theorem that $\max_{1 \le n \le x} V(n) = (1+o(1)) \frac{\log x}{\log\log x}$. I could never prove that

$$\max_{1 \le n \le x} (V(n) + V(n+1)) = (1+o(1)) \frac{\log x}{\log\log x}.$$

Kind regards to you + your colleagues

P. Erdős