

Korea Winter 2020/1/3

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TWITCH SOLVES ISL

Episode 168

Problem

Find all $Q(x) \in \mathbb{Z}[x]$ such that $Q(n) \geq 1$ for every positive integer n , and $Q(m)Q(n)$ has the same number of prime divisors as $Q(mn)$ for all positive integers m and n .

External Link

<https://aops.com/community/p17525051>

Solution

TODO