



Zauważmy też, że każdy kwadrat o boku 2 pokrywa pola o sumie liczb równej 0, każdy kwadrat o boku 3 pokrywa pola o sumie liczb równej ± 3 , a każdy kwadrat o boku 5 pokrywa pola o sumie liczb równej ± 5 . Jak zwykle w sytuacji, gdy mówimy o polach, dopuszczamy tu tylko kwadraty narysowane *po kratkach*.

Z powyższych obserwacji wynika, że przy podziale kwadratu o boku 24 na kwadraty o bokach 2, 3, 5, suma liczb wpisanych w pola wszystkich kwadratów o boku 5 jest podzielna przez 3. A to jest niemożliwe, gdyby był dokładnie jeden taki kwadrat.

Sposób II: Wpiszmy w pola kwadratu liczby jak na rysunku 2. Wówczas suma wszystkich liczb wpisanych w pola kwadratu jest równa 0.

Zauważmy też, że każdy kwadrat o boku 2 lub 3 pokrywa pola o sumie liczb równej 0, a każdy kwadrat o boku 5 pokrywa pola o sumie liczb równej ± 1 lub ± 2 . Stąd wniosek, że podział kwadratu o boku 24 na kwadraty o bokach 2 lub 3 oraz dokładnie jeden kwadrat o boku 5 nie jest możliwy.

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