

# 1 POVZETEK

V prvem delu diplomske naloge spoznamo definicijo binomskih koeficientov in definicijo Pascalovega trikotnika. Definiram popolne kvadratne vzorce in opišem nekaj načinov kako jih dobimo.

V drugem delu definiram m-nomske koeficiente, opisujem njihove sosede na različnih nivojih in pokažem, da je produkt vseh sosedov m-ta potenca celega števila.

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**Ključne besede:**

binomski koeficienti, Pascalov trikotnik, Davidova zvezda, popolni kvadratni vzorci, mnogočlenski koeficient

**Keywords:**

binomial coefficients, Pascal triangle, star of David, perfect square pattern, multinomial coefficients

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