revietnost-teorija 17-3.7023. Wale dogodele is LA, B, AMBy necoluisen od LC, D, CMD) => AUB, CUD necolus na PR(AUB) n(CUD) = P((anc) u/And)u(znc)u(BnD)) = - P(B)(A) + P(A) + P(B) + P(B) - P(A) = P(A)P(C)+P(A)P(D)+P(B)P(C)+P(B)P(D)-P(A)P(CND)-P(ANB)P(O)-2P(ANB)P(CND)-P(ANB)P(D) -MB) P(COD) + 3P(ANB) P(CAD) = P(A)(P(C)+P(D)-P(COD))+P(B)(P(C)+P(D)-P(COD))-P(AOB)(TP(C)+P(D)-P(COD)) = P(A)P(CUD)+P(B)P(CUD)-P(AMB)P(CUD)=P(AVB)P(CUD) 2: X, Xz, ..., Xn enerne omejene gostode, X, ~UIO,1), fxxx(x)= ftxx(x-u)du, E(xx)=? $E(X_{k}) = \int_{0}^{\infty} x f_{X_{k}}(x) dx = \int_{0}^{\infty} x dx \int_{0}^{\infty} f_{X_{k}}(x-u) du = \int_{0}^{\infty} du \int_{0}^{\infty} x f_{X_{k}}(x-u) dx = dt - dx$ = fduf(u+t)fxx-1(t)dt = fuduffxx-1t)dt + fuduft fxx-1tldt = Sudu + SE(Xn-1) udu = 1+ E(Xn-1) = 1+ 1+ E(Xn-2) = - = = $k-1 + E(x_1) = k-1 + \int x dx = k-1 + 1 = \underline{k}$ $\frac{3}{2}$ T_1, \dots, I_n idihertonji, $\mathcal{N}(T_1 = i_1, \dots, T_n = i_n) = \frac{s!(n-s)!}{(n+1)!}$, intlo,14, $s = \sum_{n=1}^{n} i_n$; $(T_1, T_1)^2$ $P(I_{n}=\lambda_{n}, I_{z}=\lambda_{z}) = \overline{P(I_{3}=\lambda_{3}, \dots, I_{n}=\lambda_{n})} = \overline{\sum_{\substack{(i_{3},\dots,i_{n}) \in \{0,1\}^{n}=2\\ k_{3}}} \frac{(S_{i}-\lambda_{n}-\lambda_{z})!(N-S+\lambda_{n}+\lambda_{z})!}{[N-N]!}$ = $(s-is-ir)\frac{(s-is+ir)!(n-s+is+ir)!}{(n-1)!}$ = $n(s-is+ir)\frac{1}{(s-is-ir)}$

proven

$$\frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2$$