Zadatah 3.

Za proc'evoljni
$$u \in [0,1]$$
 i $v_i = (1-u)p_i + up_{i+1}$, $c' = 0,1,2$
$$S_i = (1-u)_{v_i} + u_{v_{i+1}}$$
 , $i' = 0,1$
$$t_0 = (1-u)_{S_0} + u_{S_1}$$

Vrijedi flu = to.

$$b_{i,n} = \binom{n}{i} (1-\alpha)^{n-i} \alpha^{i}$$

 $2\alpha \quad n-3 = > b_{i,3}(\alpha) = \binom{3}{i} (1-\alpha)^{3-i} \alpha^{i}$

$$b_{0}(u) = (1-u)^{3}$$

$$b_{1}(u) = 3u(1-u)^{2}$$

$$b_{2}(u) = 3u^{2}(1-u)$$

$$b_{3}(u) = u^{3}$$

$$= T(u) = (1-u)^{2}_{p_{0}} + 3u(1-u)^{2}_{p_{1}} + 3u^{2}(1-u)_{p_{2}} + u^{2}_{p_{3}}$$

$$f(u) = f_{0}$$

$$\begin{aligned}
& = (1-u) s_0 + u s_1 \\
& = (1-u) ((1-u) s_0 + u s_1) + u ((1-u) s_1 + u s_2) \\
& = (1-u)^2 s_0 + 2 u (1-u) s_1 + u^2 s_2 \\
& = (1-u)^2 ((1-u) p_0 + u p_1) + 2 u (1-u) ((1-u) p_1 + u p_2) + u^2 (1-u) p_2 + u p_3) \\
& = (1-u)^3 p_0 + 3 u (1-u)^2 p_1 + 3 u^2 (1-u) p_2 + u^3 p_3 = T(u).
\end{aligned}$$