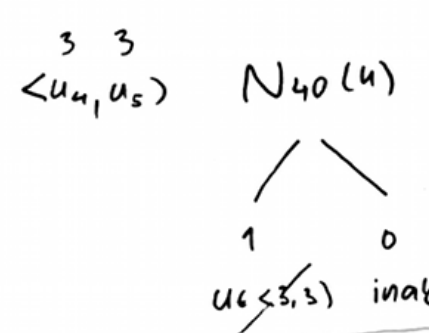
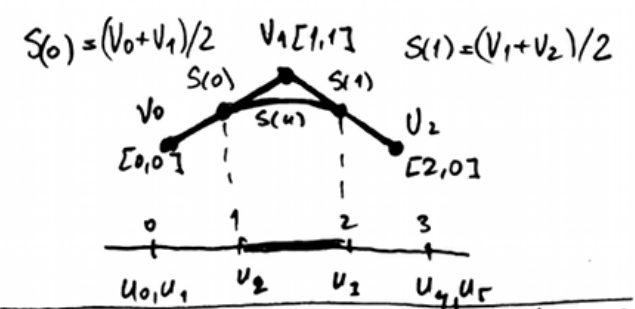
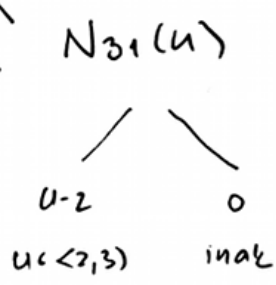
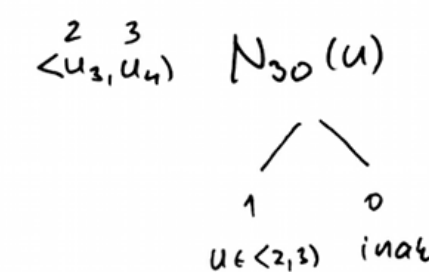
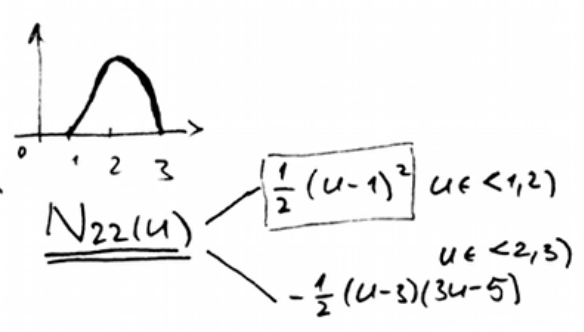
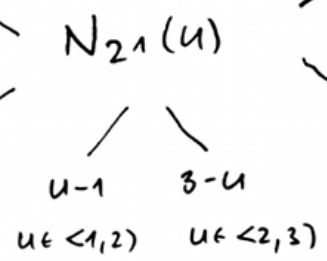
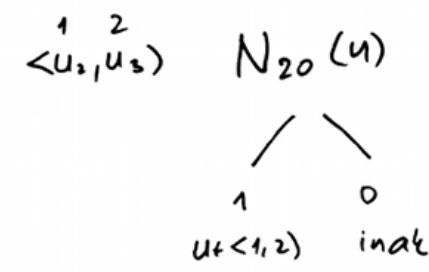
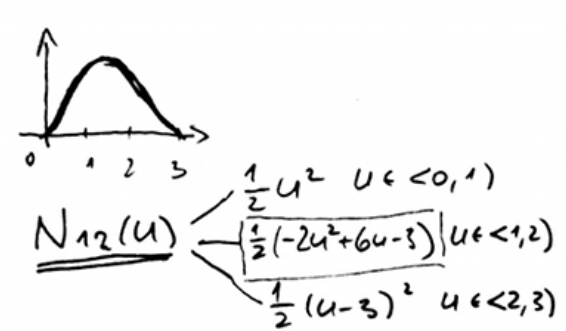
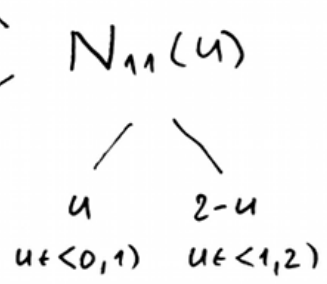
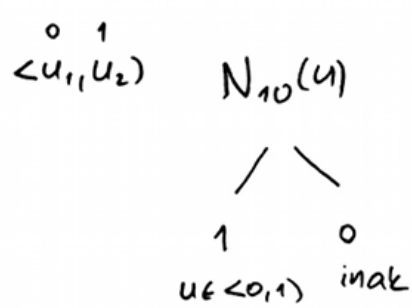
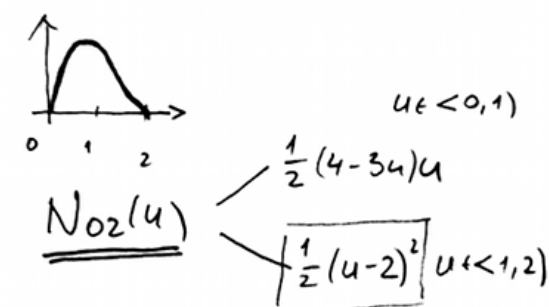
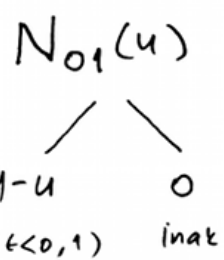
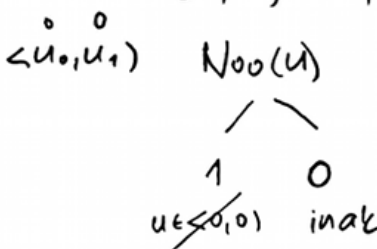
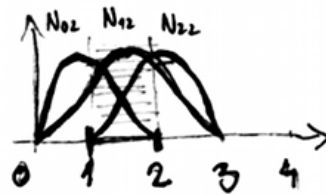


Bsp: jazyk skriptů 2 $v_0 \in [0,1]$; $v_1 \in [1,3]$; $v_2 \in [2,0]$

$u \in \{0,0,1,2,3,3\}$ $p=2$

$S(u) = v_0 \cdot N_{02}(u) + v_1 \cdot N_{12}(u) + v_2 \cdot N_{22}(u)$



$S(u) = v_0 \frac{1}{2}(u-2)^2 + v_1 \frac{1}{2}(-2u^2+6u-3) + v_2 \frac{1}{2}(u-1)^2$

$N_{01} = \frac{u-u_0}{u_1-u_0} N_{00} + \frac{u_2-u}{u_2-u_1} N_{10} = \frac{1-u}{1-0} N_{10} = \begin{cases} 1-u < 0,1 \\ 0 \text{ inak} \end{cases}$

$N_{11} = \frac{u-u_1}{u_2-u_1} N_{10} + \frac{u_3-u}{u_3-u_2} N_{20} = \frac{u}{1-0} N_{10} + \frac{2-u}{2-1} N_{20} = \begin{cases} u < 0,1 \\ 2-u < 1,2 \end{cases}$

$N_{21} = \frac{u-u_2}{u_3-u_2} N_{20} + \frac{u_4-u}{u_4-u_3} N_{30} = \frac{u-1}{2-1} N_{20} + \frac{3-u}{3-2} N_{30} = \begin{cases} u-1 < 1,2 \\ 3-u < 2,3 \end{cases}$

$N_{31} = \frac{u-u_3}{u_4-u_3} N_{30} + \frac{u_5-u}{u_5-u_4} N_{40} = \frac{u-2}{3-2} N_{30} = \begin{cases} u-2 < 2,3 \\ 0 \text{ inak} \end{cases}$

Výpočty:
 některých funkcí $N_{i,p}(u)$

$N_{02} = \frac{u-u_0}{u_2-u_0} N_{01} + \frac{u_3-u}{u_3-u_1} N_{11} = \frac{u}{1-0} N_{01} + \frac{2-u}{2-0} N_{11} = \begin{cases} \frac{1}{2}(4u-3u^2) < 0,1 \\ \frac{1}{2}(2-u)^2 < 1,2 \end{cases}$

$N_{12} = \frac{u-u_1}{u_2-u_1} N_{11} + \frac{u_4-u}{u_4-u_2} N_{21} = \frac{u}{2-0} N_{11} + \frac{3-u}{3-1} N_{21} = \begin{cases} \frac{1}{2}u^2 < 0,1 \\ \frac{1}{2}(-2u^2+6u-3) < 1,2 \\ \frac{1}{2}(3-u)^2 < 2,3 \end{cases}$

$N_{22} = \frac{u-u_2}{u_4-u_2} N_{21} + \frac{u_5-u}{u_5-u_3} N_{31} = \frac{u-1}{3-1} N_{21} + \frac{3-u}{3-2} N_{31} = \begin{cases} \frac{1}{2}(u-1)^2 < 1,2 \\ \frac{1}{2}(u-3)(3u-5) < 2,3 \end{cases}$