Haaviside I b(x): | x si x > 1 -1 si x < 0  $u(x) = \begin{cases} 1 & \text{si} & x > 7,0 \\ 0 & \text{alt}. \end{cases}$ u(x-1) u(x)-'u(x-1) 1-'u(x)  $= \sqrt{2} \cdot u(x-1) + x(u(x)-u(x-1)) - 1(1-u(x))$  $= x^{7} \circ U(x-1) + x \circ U(x) - x \circ U(x-1) - 1 + u(x) =$  $=(x^2-x)u(x-1)+(x+1)u(x)-1$ 

Heaviside I h(x)=(x2-x)u(x-1)+(x+1)u(x)-1 (-8,0) 0 1 (0,1) 1 1 (1,+00) X+1 hw= \ -1 si x<0 hw= \ x si o< x<1 \si o< x<1 X+1-1