MAS UT MAS U +  $(x) = \begin{cases} x & x < 0 \\ 1 + x^2 & 0 \le x < 1 \end{cases}$   $(x) = \begin{cases} x & x < 0 \\ 1 + x^2 & 0 \le x < 1 \end{cases}$   $(x) = \begin{cases} x & x < 0 \\ 0 & x < 2 \end{cases}$ ges: Fs, Fd mit Fs...skelig, Fd. diskret und F=Fs+Fd  $F_{S(x)} = \begin{cases} x & x < 0 \\ x^2 & 0 \le x < 1 \\ 3x - 2 & 1 \le x < 2 \end{cases}$   $F_{S(x)} = \begin{cases} x & x < 0 \\ x^2 & 0 \le x < 1 \\ x > 2 \end{cases}$ lim Fs(x) = 0 = lim Fs(x) x > 0 - $\lim_{x\to 1^-} F_s(x) = 1 = \lim_{x\to 1^+} F_s(x)$ => Fs his & stelling lim F<sub>5</sub>(x)= 4 = lim F<sub>5</sub>(x) x→2 $f_d(x) = \begin{cases} 0 & \times < 0 \\ 1 & 0 \le \times < 1 \\ 2 & 1 \le \times < 2 \\ 5 & \times > 2 \end{cases}$  $\mu_F(0) = 1$   $\mu_F(1) = 1$   $\mu_F(2) = 3$   $\chi^2 + 1$ offensichtlich 13t For disheret und Fs + For(x) =  $\begin{cases} x \\ x^2 + 1 \end{cases}$ XCO DEXKI 14x42 x =2