Sebastian Bednavski, 261662 Radanie 7 T(1)=1 T(N) = c ((g N) + T ((2) , d/a N = 2 Wiech N=2k. Wtedy $T(2^k) = T(\frac{2^k}{2}) + c(lg2^k) = T(2^{k-1}) + cklg2 =$ = T(2k-2) + c (k-1) lg2 + ck lg2= ... [paolstaw k-2] = T (2°) + c lg2+ c2 lg2+ ... + c(k-1) lg2 + c4 lg2 = $= T(1) + c \frac{5}{5}k lg 2 = 1 + c (\frac{k+1}{2} \cdot k) lg 2 =$ $= 1 + c (\frac{k^2+k}{2})^4 lg 2 = 1 + \frac{ck lg 2 + ck^2 lg 2}{2} =$ = 1 + 2 cklq 2 + 2 ch 2 lg 2 T(N) = 0 (1+(gn+(g2n) = 0 ((g2n)