Zod. 6 $\{X_n\}$ j.i.d., $\{X_n \cap \mathcal{E}_{\times p}(1)\}$ $\mathbb{P}\left[\lim_{n \to p} \frac{X_n}{\log n} = 1\right] = 1$ Mostelmy 570. Niech An= 1 xingn > 1+59. $P[A_n] = P\left[\frac{\chi_n}{\log n} > 1 + \delta\right] = P[\chi_n > (1 + \delta) \log n]$ = 1 - P[Xn < (1+5) logn] = 1 - 1 + e-(1+0) logn = $= 90 n - (1+8) = \frac{1}{n^{1+8}}$ 2 andien vienny, re ZP[An] = Zn+8 26., zetem z lemet n Borda - Contalliego Mim supfinj = 0. Z drugier strong, niech Bn= { \frac{X_n}{log_n} > 1-59. P[B] = (analogicznie) - 1-8. Z ondizy wieny, de ZP[Bn] = 00. Co wiscej, skoro dXn5 niereleine, to 1Bn) teri, 2 rem 2 lemetu B-C P[lim sup B n] = 1. Atienne Jage 2 5-20 dostojemy, 2e P[lim sup togn 7/1] = 4 P[lim sup Xn > 1] = 0 Zetem P[lim sup $\frac{\chi_n}{\log n} = 1$] = 1.