

Recall weak with: Ki ... Kn ind & identical . Ecxi) - m < +00 Sn = Ex; Sn -> M => 4 200 P(| Sn -M/>E) -0 sn > (E+H) n the quickly is this con-? 2~ < (Fr. e) U large deviation souls this come is exponential More tecisely, suppose WA? = E (GEX!) "!? 904 IN UPAP @ 0 => 1 log P(sn > (412)0) -> - 2 <0 when he = sp ((Mest - log (MC+1)) >0 + ER when I lange, P(sn> (MICIN) ~ e-xn bod of the abbar pg / P(Sn >(ute)n) = P(eth > etarcin) < Mem (+) e + (MIE) mengy of stope = e-truen mc+m many of stope = e-truen engance) $A = e^{-t(ure)n} e^{nigm(+)}$ $= e^{-t(ure)e} - (ogm(+))n$ = e - 2e1 30, we got resort. But still need 13 >0 Co resolvad by graph

