allersus Murauskas 260718388 Use longuigos A = { amb "c" | m, n = 0} B = { abb c" | m, n = 0} Linguise A iscontext free SOXY, X=aX | E, Y + bYc | E Language Bis is context free
Stary, X to axble, You'll ANB= { anb oc | n 203, we know this is not context free from example 2,36 b. Use part a \$ De Murgan to show class of context free LA is not closed under intersection Prove by contradiction Assume it's true. Assm. Context free languages are closed under complement Assm. implies A, B are context free. Weknow context free langs are dused under union SU AUB is context tree. Use Assm. again AUB is context free By De Morgen ANB= JUB, but this contradicts eximple 2.36 herefore assumption is wrong.