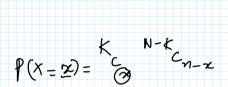
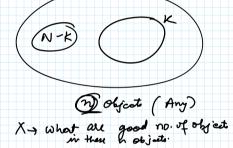
10:17 Chapter 5

Some discrete probability distribution

	Name	Sus & balan	bat	mean	/ voniance
0	Binomial	n that independent s p X-10.0f	P(K=x) = 2 Px (-p)x	np	(P(1-P)
		Nobjects, Kore good, nace	U N-K	(MK)	large
(2)	Hyper geometric	Chosen 700 of good items chosen in n	P(X=10) & Cxy Cxx	N	N-1) n (K) (1-K) N very wall
3	Negative Binomial				Nullage
9	Germetric				20 3 Mars
9	Poisson				np



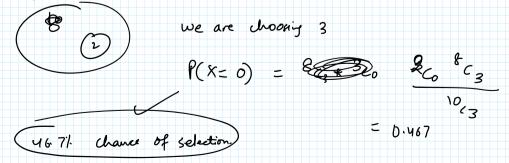


Our A particular part that is used as an injection device is sold in a lots of 10. The producer deems a lot acceptable if no more than one defective is in the lot. A sampling plan involves random sampling and testing 3 of the parts out of 10. If none of the 3 is defective, the lot is are explied. Comment on the utility of this plan.

Sol Let us take a lot of 10 devices having 2 bod products

(This lot with the rejected by producer)

Now what is the peolability that the sampling plan will accept it.



Note That

