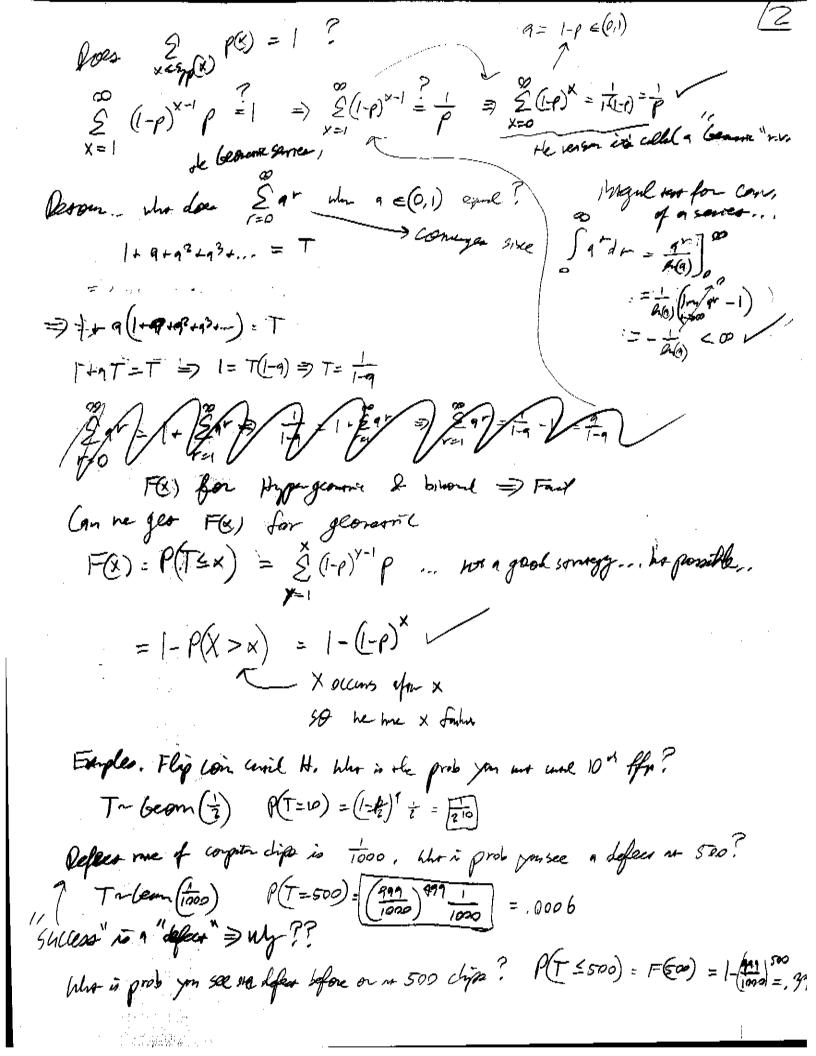
Xy un & Benter Lechne 12 Mond 19,2015 T= X,+...+Xn \Rightarrow Trobund(a,p):=(") p(p)=p(), pe(0), hell Fes = ? regulard Hyper Poes & (C) = 1? when the rivingers or some or some de coff. been from nor dad $\underbrace{\mathcal{E}}_{N=0} \left(\frac{1}{n} \right) \left(\frac{1}{p^{N}(-p)^{N-N}} \right) = \left(\frac{(1-p)+(p)}{n} \right)^{N-1} = 1^{N-1} = 1^{N-1}$ Non sik alffan guesom. Who if X, X2, ... ist Barn (p) possible infrime les T= min {X=1} i.e. the sml # of the "Lives success" P(T=1)=P 1 P(T=2)=(1-1)P 21 Wy hot (3)? Only one of alland... P(T=3) =(1-p)2p 991 P(T=4) = (t-p) p 5 5 5 T 20 1 If not Siver you doin succeed. P(=x) = (1-p)x-1p Tr (conenic (p) := (1-p)x-1p = p(x) Parnem Space Sypp[T] = N M 0 \$ 5/67 ? P & (0,1) P=O T d.n.e. (not possibl!) not en Dep!! P=1 > T- Og(1)



Now ask a Affers gression ... XIXx ... it from & agons T= mn & SX== r} is. the #forms and i's siccome les v=3 just for emple sike. Con T=1? T=2? T=3? P(T=3) = p3 111 1 succeed obygoon am the P(T=+) = 2000 | 1 0 1 1 July System 10 1 1) head | v-1 = 2amy ote orka P(T=5)=60-P) P2P 1 1 00 1010 And my whole way! OT 0117 20111 P(T=w) = (x1)(1-p)x-rpr = P(x) does in som at 1 Nyone bisome Tr Nag Bin (r,p) := (x-1) (-p) -p" Syp(+) = { r, r+1, ... }

Parmer space

PE(0,1) if p=1=> Trag(r), p=0=> T d.n.e re N

Speak are T-Nay Br (1,p) = (x-1)(-r) x-1 p' = (1-p) x-1 p = Geom(p) of course... In def! qualagous de Some as Brown (p) = Born(p) Another my so shirt about this X,,..., X, 200 Geom (g) T= X, +X+++ Xr ~ Neg Bis (r,p) nist der um for pour uns for r! $loe_{2} \leq \sum_{x=r}^{r} (x-1)(1-p)^{x-r} p^{r} = 1$ Hard... E.C. He trick (Isol to prime thos given this r.v. its name. F(x) = ? HARD real number regulare been forman. Roll dice croil par ges 17615 D (+1/10 100 rolls to ge 17 6'5) T~ Neg Br (17, 1/6) P(T=100)=(100-1)(=)100-17(=)100-17(=)10=(99)(=)85(=)17 21.8% - Pore mind dixme r.v.'s

les Ying Kit P(E) have in = &Xi X., M. X. At Born (1) Xn -> ? rybe 1? Philosophial Jup (r.v. 's genne"Anon" X-bendle (t) is and brakes a drangement prices age