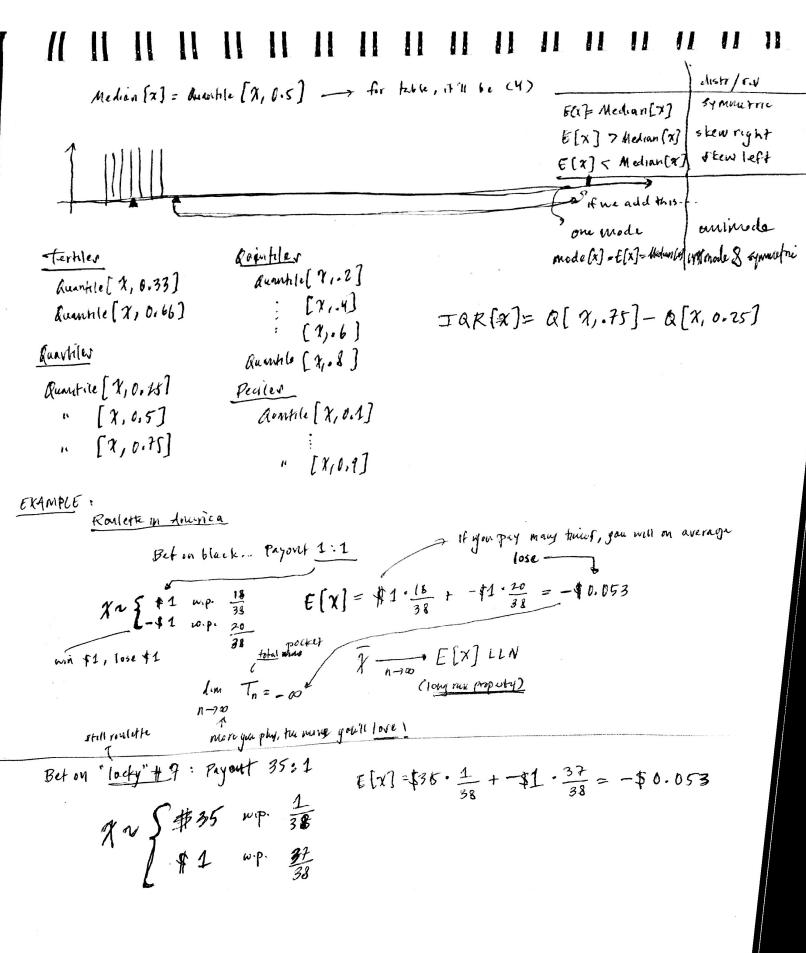
e 11/01/16 In Geometricips = (2-p)x-p p(x) f(x) X ~ Geometric (0.2) = (0.8)270, N 0.360 0.160 2 0.488 0-126 3 0.580 0.107 4 .678 0.082 Approximate / Effective Suppor . 738 0,066 0.710 11 } x : p(x) > 0.001 } < Supp [x] 0.058 0.832 0.042 r(x) Tar Median[2] = 4 ,007 0,00 .001 IOREN =5 0.15 1007 . 000 0.1 x = y + 1Nr Geometric (p) = n = Zx (1-p) p = p. ∑x (1-p) x-1 $\left(\sum_{x=p\neq 2}^{\infty} y(1-p)^{y} + \sum_{y=0}^{\infty} (1-p)^{y}\right) = p\left(\sum_{y=0}^{\infty} y(1-p)^{y}\right)$ $= \sum_{p} (1-p)^{q} p+1 =$ (1-p) = y(1-p)4-1+1 =) y= (1-p) m+1 = 14= = ond refer the X. (In the graph above, It'll be 1) Function f Mode[x]:= ang Max 8p(x33 $6[f] = \int f(x) dx = 17$ re suppla] Max [x] = max (supp(x)) Min[a] = min (repp[x]) - DNE-Ruye(x)=Max(x]-Mn[x] a vantile [x,p] = DNE Paymun {F(x) Z p } 4 20% percentile of table in (6



E[x]=\$1. 12+ -\$1. 12 =- \$0.053 Poru bet is 4... 12 Paym is 2:1 Nr 2 \$ 2 mp. 12 1-41 w.p. 76

If Model a fair grave...

Fair game" in it E[X] = 0