Ansh 241 Lecome 5 Sep. 11,2014 mosternarulousmal affror Balls & Ums serme Eplan by an 2 ms, 7 cops, 3 sovs, /minylay a balls, rurns, book disingulable 2 lang cars. How my mp so do some dem of con ope waryself! Och on all only so for Agen them, brige.
How my hab.? (50,00) a 5.4 E2B balls are no loge daymebble and could com his home of least one ball > \$ bylls true any 0000 6 balls, 2 arus 00000 I myine ⇒ 5 ⇒ 5-1 0000000 6 balls 3 carns $0 | 0 | 0 | 0 | 0 | \Rightarrow (5) = (6-1)$ 4 67/5 r 4 mg Hoir my mys so make 001001-1-0 (1-1) X1 +x2 + ... + km=5 St Xi EN ti much N= {12...} Allow curns to be enough.

Set $X_i \in \mathbb{N} \ \forall i \text{ inth.} \ \mathbb{N}_{=\{1^2,...\}}$ 6 bally on was $\mathbb{N}_{=\{1^2,...\}}$ 101010101010101 \Rightarrow not $\mathbb{N}_{=\{1^2,...\}}$

- not 1/ 1/11/1 (1 1/2 1/2)

afrais. I probe they soil bollow some Corpheren Rule ... who is Q(A). Van on also sole for P(45). with if 6-6 when one 127 EX13,...63 y $P(ach) \leq P(a) + P(b)$ Do show 24 true) Brilly Problem - When do you shirts! Pleader one of you show the same boy = P(our pain) + P(2 pairs) + P(3 pann) + . . + P((20) pairs) olor my hare! Inposate? I coulet do is. =1- Pho paris) . Inju 3 pagle Do- A

$$\frac{365^{\circ}}{365^{\circ}} = \frac{1}{7} = \frac{\frac{365^{\circ}}{365^{\circ}}}{\frac{365^{\circ}}{365^{\circ}}} = \frac{1}{7}$$
 450 april $x = 23$

Odds i worken my so Egress prob of A. Whom the odds of rolling & SA?

$$galls(A) := \frac{\rho(A)}{1-\rho(A)} = \frac{\rho(A)}{\rho(A)} = \frac{1}{6} = \frac{1}{5} \text{ or } 1:5$$

Usully, we me ooks so men odds agains"

Politic Dolals (A) := $\frac{d(A^{C})}{R(B)} = \frac{5}{5} = 5:1$ when you has \$1, min \$5 if \$ lady ?!

This remas, physing a fair pone your braken ofor my one

(he will do egpernion test neck most like)

I'll give you 7:1 odols" when does the bodie think the pass is?

7 => 1-180=7 (4) => 1=0 (4) => (6)=== .125

Bookie believ P(A) < ,125 so he may, How much? Next week...

Eur Inlequelence p 29-33 P(H, H) permind (E4, H) (E4, H) (TH) TT)

But P(H khoning times their is to) = \frac{1}{2}

Skyling the fixer they is the iden of kning or being "jun" is a spil concept at is has informatally wraleur " P(A|B) is prob of A gin & Ingpare it A, B or informantly weeken's Then king B door now and P(A | O) = P(A) ingic P(IBM strek of tommen | rains in business of tomorness) = (Iron Good or source) effecting dixnot the order thick nows & flips ... P(H,) - P(Hz/H,) + P(Hz/H, H,) P(Ha/Hz, Hz, Hz, H,) mel. I'm = P(H1) . P(H2) . P(H2) . P(H4) prob. Leds does to charge! = $P(H)^4 = \left(\frac{1}{2}\right)^4 = \frac{1}{16}$... much onsice the How about rathing a 6 truc? P(56) = = = = = = 36

How along rolling a 6-6 ture

P(6,67)? = \$62

Hor now solve ore dolle 6 in 24 rolls P(Z1 6,6 in 24) = P(16,6 in 24) + P(2 6,6's n24) + ... + P(3 66 15 12 28) + P(8 6 16 15 11 28) HARD - whose con me do ? =1-P(0 6,64 in 2#) = $1 - \rho(24 \text{ non } 6.6 \text{ s. } 4.24)$ = $1 - \rho(\text{non } 6.6)^{24}$ 1-P(6,6) = 1-36 = 35 = 1- (25)29 = .4914 (Cheulier de Mare) if A, B are informally meline, he in And Bac "Integurbers": P(A,B) = P(A al B) = P(A D) = P(B) P(B) the gent rell. I A., A2, ... are stagendar...

-12 TAN. THE = 1-PEN = Jae digain curs irrhyalen? HIT as dignis

P(+ if t) = 0 + = = P(+) A digular Com HIT could so be the sme P(H) = 1/2 , (H) = 1/2 P(H, H) = \frac{1}{2} \pm \frac{1}{4}

depular... P(Ing coner 15 whis) & P(by come)

- 2

$$\begin{array}{cccc}
A \subset SL & (F) & A = SL \\
\hline
A & B & AN(BUC) & = (ANB)U(ANC) \\
\hline
O & O & O
\end{array}$$

5 Entre conto order 278

$$\begin{array}{c} \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2} \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2} \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2} \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2} \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c \right) \\ \left(0,\frac{1}{2}c \right) \end{array} \right) = \left(\begin{array}{c} \left(0,\frac{1}{2}c$$

$$\bigcap_{i=1}^{\infty} \left[0, \frac{1}{2i} \right] = \left(0, \frac{1}{2} \right) \cap \left(0, \frac{1}{2} \right) \cap \ldots$$

=
$$\lim_{i \to 00} (0, \frac{1}{2^i}) = (0, 0) = \{0\}$$

 $R \mid Q \mid rrapela... \quad r \in R \mid Q \quad Q \mid 1, -1, \neq ?$

R, SY RZA

Sc = {1,2,3, (4,17, (4,2), (4,8) (5,17, (5,2), (5,8) 6,17, (6,2), (6,8), (5,17, (5,2), (5,8) But \$\ell(\xi\)! = \frac{1}{6} \frac{1}{27} Mot \text{ Qe. linds,}