5/25/4 Orm seek of couls before 9 to Leerne #3 Som Plan - heberte is up 1) more country - Andio lectures? Sand OKAY... villcomer ward? = first bu is up (parsent buy and post sonound and post sonound percel, ohe They - West) 2) probability (Lome) 3) addison rule Smedtler evapore, whik, Guled, paper Mre explamions of coursing. First less do the I-of a kind again: Come the sore of this sea Streight Fleish does this relate royal Abishes? Tall House $\begin{pmatrix} 13 \\ 1 \end{pmatrix} \begin{pmatrix} 4 \\ 3 \end{pmatrix} \begin{pmatrix} 12 \\ 1 \end{pmatrix} \begin{pmatrix} 9 \\ 3 \end{pmatrix}$ Flush dies dros volede stright Alardes? $\left(\begin{array}{c} \varphi \\ l \end{array} \right) \left(\begin{array}{c} l^3 \\ 5 \end{array} \right)$

[]

The Part (1)(4) $\binom{13}{2}\binom{9}{2}\binom{9}{2}\binom{9}{1}$

fly fly

Avoker apploenson of the dunde our when your doing women mule. It = { space of 3 coin flips }

what is $A = \frac{2}{3} \text{ get } 2 \text{ H}$ one of 3 flips 3 we can use our "lookap table" above and just Charerme de 97500, Un forguessy, if we had $20 \text{ flips} \Rightarrow 2^{2p} 2 \text{ IM}$, so we need to leverage our tools from yesterly.

If we have $2 \text{ H/3} \Rightarrow 2 \text{ H}$, $17 \Rightarrow \text{ H}$, 14s, 7, $3 \cdot 2 \cdot 1 = 31 \cdot 11$.

But re don't care about the order of the heads - a head is a bend", a tail is a sail". Have

 $|A| = \frac{3!}{2! \cdot 1!} = \begin{pmatrix} 3 \\ 2 \end{pmatrix}$

How work 6H of 10 flips?

10! = (10) 6! \$! = (6) prob? How som KH out of n Ship?

 $\frac{4!}{k!(h-k)!} = \frac{\binom{h}{k}}{2^{h}}$

6H of 7 sosson $\binom{7}{6} = \frac{7!}{6!1!} = \binom{7}{1} = 7$ $\frac{1}{2} \binom{n}{n-1} = \binom{n}{1} = n$ $\frac{1}{2} \binom{n}{n-1} = \binom{n}{1} = n$ $\frac{1}{2} \binom{n}{n-1} = \binom{n}{1} = n$ $\frac{1}{2} \binom{n}{n-1} = \binom{n}{n-1} = n$

Many Caperinares it's havened to assume all

Crents are equally likely to occur.

Can P(EH3) = P(Er3)

Die P(\{\frac{2}{13}\} = \cdots = P(\frac{26}{25}\)

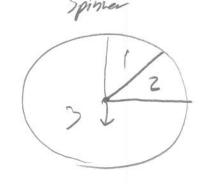
Combs $P(\xi K_3) = \dots = P(\xi A_3)$

7 size of space

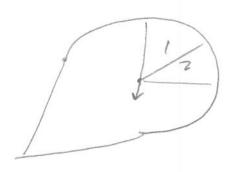
Size({ 1,23})= 18,231=2

works ... but doing if...

Somether => hot the case! Souple space is not split into evenly likely events. C.g.



Bur.



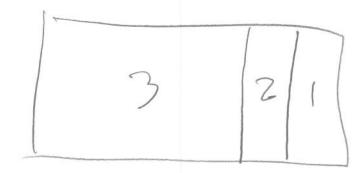
Look en sle eur... , the grafte numers

$$Size(83) = 83 = 2700$$

 $Size(83) = 81 = 450$
 $Size(823) = 82 = 450$

$$\Rightarrow \rho(33) = \frac{270^{\circ}}{360^{\circ}} = \frac{3}{4} = 0.75$$

What does I look like?



Which pings is to-the grosson grob voyal flech texas bolden Ore drya 6 Brobon bility Bus before to get there The does we born show prob of flying a com H is to her how her rean? I chance re get a berd. Why how done vern?

Chance means he bois kan? (Why host he know? Maybe ne doir kun de como great de con lefre. but hul and it's roturn, and the attraplace pressure, me de honder of de doble, que de dit on de con deseg. but if he know all that ... icid study kinn that the it would turn up earned tents or tasts, just ? Lot Maybe. For about picky a rudon cont, well, if I know county hon you shiffled ... I rould know that cand. In there vandomiers to the ynserse? Is it deserminar ?

Electron ball slit difference expenser Hazz (1974) Hay kinner ~ 1980 S Ornsum Pademical Effect
When I Panicle Puntity - doing kinn when he closer gos on de film behal it... And if yn put n deserting relax one of the slits... 12's no longer undom. Onceroming principle: noverture, position precion is bilander. If you know one, you can know the other... So it seems the volumen is son of built-in! to the awerse at least on the scales of rouly Shall probles... Eitherten ded mes like this b-d loss not pluy dose with the Guovere 4

Go book to sprim crysle. Wher is I look like? Hondo he kon Misman onely from to scale of the definions. I'll do mo. The dieson of P(533) = 512 (53) = 76 I replacements the brokering of april styme to por vec 1,2,3 P({19-23) = 512(2,23) = 1/4 Dlog van Aegray... A pan of frambility is the six of type set when to I, If it's when to Shin shar Som 1 Aron B Jan 3 P(A) + P(A) P(S2) = 1 0 = P(E) = 1 PA, UAGE ES dayour? Orgun [01, 1997.] [1] P(0) Ao) = 2 PAi If $A_1 \cap A_2 = \emptyset$ $A_1 \cap A_3 = \emptyset$ Cline 1,47, 2,45 peop ados= P157-P150 58 F

What can be prome from sless quens? E BC de E, BC desjon Axom 3 >> P(EUEC) = P(E) + P(EC) =) 1= P(B) + P(B°) => P(E) = 1-P(E), P(E)=1-P(E) Complement Pule .- Super hlut's she prob of gosting 6H of 7 Elips whit's 1H, 214, 3H, 8H, EH, 6H or its 1-P(77 of 7) = 1- 1/27 Who about addry probis of overlappy sets? lech of cardy P(A or a spade) = P(A) - P(Spale) - P(A, Spale) Meal P(A | Sporte) + P(A, Sporte) + P(Sporte | A)

Hon do dose work for dispoint?

Simple ul replacem

Us. holm appellens

Ocean of cards