8/25/16 Mash 271 Lec 1 Statis Lee 20-27 1 Lec 1-2 1870's formlied all of most by 20th certing. Feylig's below sers F := & Jan, May, Suson, Dam 3 Cleans have no order Order of elerous in Chyunain Locaro braces denote enumeron began /enl designe nane F for female" the hand problem is CS... M := & Bob, Jee, Max, Dam 3 Vona Pinym

Opensos on Sess Let relision "elemo of", "19 embers so T/F Sex exchan not clara f' "" Joe & Forder? E Jac, My, Am, Sum 3 = F Ses quity all clemy de sac Surgery ¿ Jau, May 3 = F SCA Set on the all clerung is the 1, h.s are is the sea on the rish. S ( 5) m, Mor 3 < F but he sets are not come ≤ Sm as " or " = " Tan3 CF?, Im CF?, 5m3 EF, Jan EF? ETM3 EF, Jan EF?

In CF dols tot park it like 3= 7 fx):xi
its 1 capilla error in min doyale in 7 new (6) C,  $\not\in$ , =,  $\not=$ , C,  $\subseteq$  were predicts as in reg are foregrown technically...  $\not= (M, F) = T$   $\not= : Sex \rightarrow \{T, F\}$ What about functions from Sets to sets?

FUM "Ginen": Combite both Sets' clemns E & Tone, Susm Mr. Panos, & Bob, Jac, Max, Oam & ) = E Jac, Mrs, Sugar, Para, Role, Oa, 1. collapse", floorn"
(raby) Orly is Dam net is twee? Addition when double comong (Jac3 U 2 Jan3 = E Jan3 ",
singleon sex" hon-exchane or" if U was or Dam & FUM?

like 19

English

= NU 203 Jne U & Jne 3? HW ... No := & 0,1,2,...3 FAM set 14 krecom both leting a set where clemes me bork = & Dain 3 + Dam And 1 in English

entry sex / well sex F 1 { bob, Tac 3 = { 3 Ø:= \{ } 2Ad#'s ( cun #'s = \$ Def: A, B are morely adding both sets inhouse if AMB = \$ \$ CF?  $\phi \in F$ ? he can subtract sets FM:= All clames is F this re not is M

MC CAM SUBTRACT SETS

Ext minus

FM:= All clams 14 F thus me met 14 M

= 2 Jan, May, Susm3

if AMB = \$\phi\$ who is AB = A

if AMB = \$\phi\$ who is AMB = A



A = B  $A \cap B = A \circ B$  $A \subseteq B$   $A \setminus B = \emptyset$  Ses Guiller norman

E:= 
$$\{2^{h}: h \in \mathbb{Z}\}=\{2^{h}: h \in \mathbb{Z}\}$$
 =  $\{2^{h}, 4, 2, 0, 2, 4, \dots\}$ 

$$2^{A} := \{b: b \leq A\} = \{a, b\}, \{23, \{23, \{33\}, \{1,23, \{1,23\}, \{22,33\}\}\}\}$$

"Power of A Set of all sistems & a set

φ {13 ξ23 " A. 2 Color ne all possible configueron? |2F| = ? 187.Fil ( B) ( 2.2.2 = 8 123 Legistic Preshed of Coursing heavistic: 94 approach to problem solving practial medil, not general is he optime but sufficient to get the job don... for agree S...  $\left|2^{S}\right|=2^{|S|}$ proof region 2F Set oxions Speinl St: Il 'smere", "smple space", "space of discourse", CS: "Scope", All clauses re re /mine +0. Von define is. D: = FUA = { .... 3 Note: FSS, MSSL, 2FSSR? Coin Flip S2:= { N,T3, Die Roll: S2:= {1,2,2,4,5,6} What is of probability a random have is formle?

P(F) = \frac{|F|}{|SI|^2} = \frac{9}{7} definitions definition working def:

\[
\text{aluxe assu segze!} \text{P(0) = \frac{|A|}{|SI|}}
\]