	H.3 Tautologies and Contradictions
about the second	A Def: Ataubology is a compound statement whose truth Value is ALWAYS true; regordless of the truth value of its variables.
	Ex: p:"Myhar is blue" ~p: "Myhar is not blue"
	PV(P): "Either my hore is blue or my har is not blue"
	FTT FTT
	Def: A contradiction is a compound statement whose truth value is always false; regardless of the truth value of its variables.
	FIFE F
	Ch 6 Set and Courting
	Gach cube has two faces world red, two white, two blue, and there will be exactly two cubes with each possible configuration of whom
	If you want to include every possible configuration of colors, how many cubes will the kit contain?
	72 Mike 32 Tyler 64 Jordan 45 Luke 36 Andrew 85 Branden 58 Jackson
\$ \$355 in	

6.1 Sets and Set Operations

Def: A set is a collection of items, the items ore called the elements of the set.

et elements

Cor brands, C= & Ford, Handa, Chevy, Nissan, BMW, GMC, Butck, Andi, Infiniti, Saab, Mercury, VW, Merceder, Jeep, Porsche, Cadellec, Smort, Jasuar, Landrover, Mini, Acura, Asten Martin, Lamb, Subvru, Italia, Frat, Tesla &

Ford & C "Ford is on element of the set C"
Rolls Royce & C "For Rolls Royce is not on element of the
set C"

C = X The two sets are equal, contain the same elements

B= 2 Ford, Nissan, BMW?

BEC "Bis a subset of the set C"

CSC

BCC "Bis a proper subset of C"

\$\P\$ is the empty set - the set containing no elements, the empty set is a subset of every set.

A= 203 A is the set contains the empty set, non-empty.

A Snite set has a finite number of elements. An infinite set does not have finitely may elements.

N = 20, 1, 2, 3, 4, ... 3 the natural (country)
number are a member set

	Set of outcomes
	Flyacoin: S= \(\frac{5}{2}\)H, \(T\)\
	Rolladic, faces rumbered I through Co
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	S=3(E), E), E), (I)
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