



	LHS HTAM	LECTURE#3	9/15/17
Sample n	items without regle	acement (n &M). How man	y possible automes.
	hoixes		
15	+ surple 200 supple	(n-1)th Sumple	Ath Suple in 1:= i=1
Sample ni	tems with replacer	ment . How many out com	tes?
		n = n > n! for	
	3 chairs. How m	any southy arrianguest?	
		arthout replacements t	1) on many?
1st Sample	n-1 2nd smple	$\frac{n-k+1}{k^{th}} = \frac{n!}{n-k}$	
Permutation n P K = =			Convention dictates 0!=1
	(n-K)!		$\frac{1}{n} = \frac{n!}{(n-n)!} = \frac{n!}{0!} = \frac{n!}{3!}$
3 comples (6 p	cople): Bob - Jan to tagether) = 194	18, Richard Susan, Charles	les - Mary - 1 - 3 - 7 - 1 - 3 - 7 - 1
n="all sealing a of the 6 in		x = 6 (1) Seat 1 2	4 1 2 1 3 4 5 6
Alternative Metho		3 . 2 , 1	neople seat sit in flese chairs
P(A) = 1A1	61	3 2 2 1 Love sent 1 2 3 No No N	

