Homotopy	theory	of Kac-Mood	y groups -	- Nitu		
				y connected (		
T≤G	the ma	reimal torus a	rank n	(eg: T=S'x)	(S' mank n-1)	
····gi	group +	w. #.+	, , , , , , , , , , , , , , , , , , , ,	and $si WQ$		
		C si a ginibe	group, lefte	whon your go	nerated by n-	seffections
		Gran be re	covered from	Thus action.		
010	10					
Rank 2-					,,,,	, .
a,b ∈	Z,,	$W(a,b) = \langle \gamma_i =$	$\begin{pmatrix} -1 & b \\ 0 & 1 \end{pmatrix}$ j $r_2$	= (1 0)	- is a dihedral	group
					ab+a2b2 2b-ab2	
		(r,r <sub>L</sub> ) =	d <sub>2Kt</sub> -d <sub>2k</sub>	$C_{\delta} = d_{\delta} = $ $C_{\delta} = d_{\delta} = 1$	cin = ad	ì- Ci-v
					din = bc	i - 4i-1
eg:	Ci	(q,b) = (1,1)	(ä,b)=(2,2)	(3,3)		
		U	ა !	17	4.	
		1	2	3 > evan	fibonacci mos.	
		-1	3	2,		
		-1	4	55		
		3	6	144		
	Q luthon	is W(a,b) of	(a,b)	= (1,1) (512)		F= SU(3)
	(, 551,64	33		(2,1) (r,YL)		= Spin (5)
a D =	Z \ Z/2	infinite dihedral		(3, 1) (4, 12)	= 1	₹ G <sub>2</sub>
What	are the gr	iotents?		For all else In	v(a,6)1 is ünfini	le.
	0 4. 1	4	/ 1	1.1	1 1 0.1	
					whose weging	work is W(a,b)? Yes!
	ادرم	b) is pushout	(amalgam. c	olimit)		
	(10)	$\frac{(1-b/2)}{>}$ S	x5U(2)	in the category		
	(-a/21)	J,		in the category	u.L.	
	s'xsu(	2) — K (q	(p)	of topological ight	roff-	
			9	the Weyl group a	دنه (۱۲ (۹٫b) کا	W(a,b).

