	V-1 Blocks and defect groups
	in group Gard a prime number l
	Del: All l-modulor system is (K,O, K) where
	· Or is a complete dur with wax ideal m of
	· K= Frac (o) · k=0/m field of clor. L
6	
	Ex: (MORMOTH) (Re, Ze, Fe)
	Def. ameura We say that (K,O, k) is big enough
	if KG and kG split.
	simple after extending the field.
Ren	We let K=Q(9) 1 8 prim. 16/Hi root of unty
	O its rug of integers with residue field k.
	Then (K, O, k) is big enough for 6
	Comparing KG-mod and KG-mod funte dan representation
14.	* KG-mod is semisimple: it's enough to understand
Marchee	- the simple objects In KG. They are dot. by their character
	* KG-mod is semisimple if and only if lt[G]
	~ if [16] wany interesting classes of objects:
	Simple indec., proj. modules + homological information
	Ex. Let G=Cl=G> 19 = 1 and HE kG indec. Then g ∈ Endk(M) sat. gl m=m for all meH.
	Therefore, $(gl-1)m = (g-1)^l m = 0$.
	So g-1 is vilpotent, Up to isomorphism M= kt 7/5r5l
0	and g.m.= Jr(1).m. for all well,





