Solution 1: Use LASSO inshed of Least Squares =) see Spring Semester "Applied Statistical Method Solution 2: Use a Linear Mixed Effect Model with q being a random effect with E(q)=0 and vor(q)=I. Pq From marker effects 9, genomic breedily values of are computed based on summation of martin effects for corresponds Animal SMA - - ARE | gi = 1 · qi +0 qi + (-1) qi
12 i GGy GGZ GGZ GGZ Yi = Wi q i-thow of matrix To get to gi, all we ned is a and penotypes for animal i of gi can be computed for animals right after birth. 2. Breadile Value Based Model a General breedly values 9 as vandom Effects
in a LITE. I length of 9 corresponds to
the number of eninals
with generals