

□ Breeding Value BV_{22} for animal j with genotype $G_2 G_2$

	Marks of j
	$f(G_2) = q$
Animal j	
$f(G_2) = 1$	

$$\mu_{22} =$$

$$BV_{22} = 2(\mu_{22} - \mu)$$

Animal k with genotype $G_1 G_2$

	Marks of k
	$f(G_2) = q$
Animal k	
$f(G_1) = \frac{1}{2}$	
$f(G_2) = \frac{1}{2}$	

$$\mu_{12} = \dots$$

$$BV_{12} = 2(\mu_{12} - \mu) = \dots$$