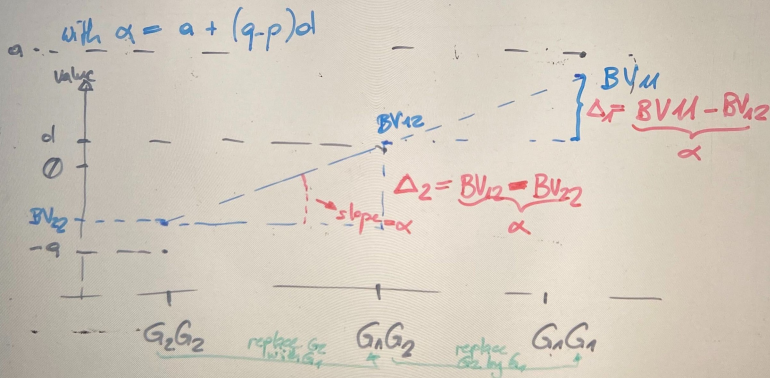


Result:

Genotype	V	BV
$G_1 G_1$	a	$2q[a + (q-p)d] = 2q\alpha$
$G_1 G_2$	d	$(q-p)[a + (q-p)d] = (q-p)\alpha$
$G_2 G_2$	$-a$	$-2p[a + (q-p)d] = -2p\alpha$



$$\begin{aligned}
 \Delta_T BV_M - BV_{12} &= 2q\alpha - [(q-p)\alpha] \\
 &= 2q\alpha - q\alpha + p\alpha \\
 &= q\alpha + p\alpha = (p+q)\alpha = \alpha
 \end{aligned}$$