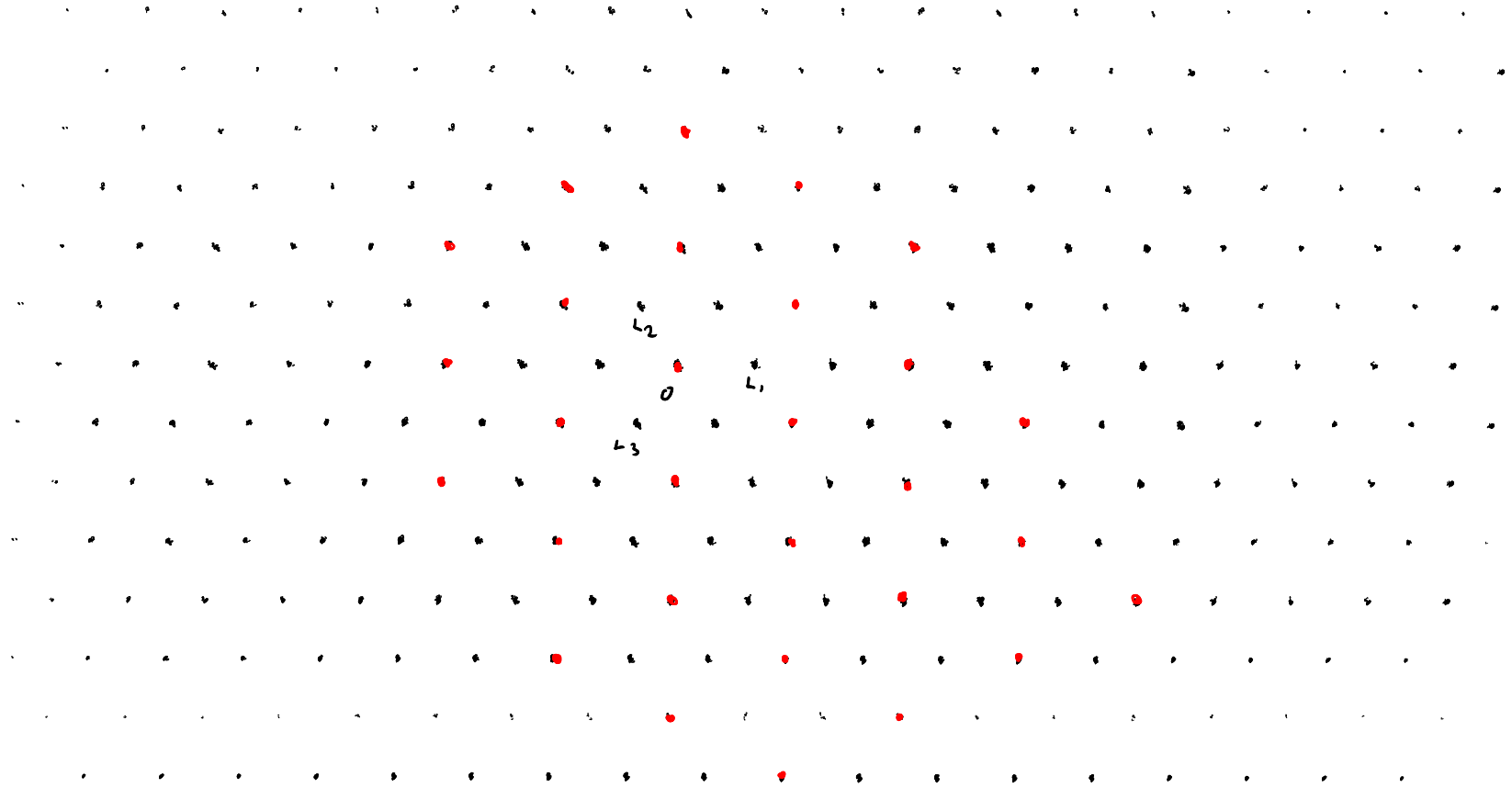


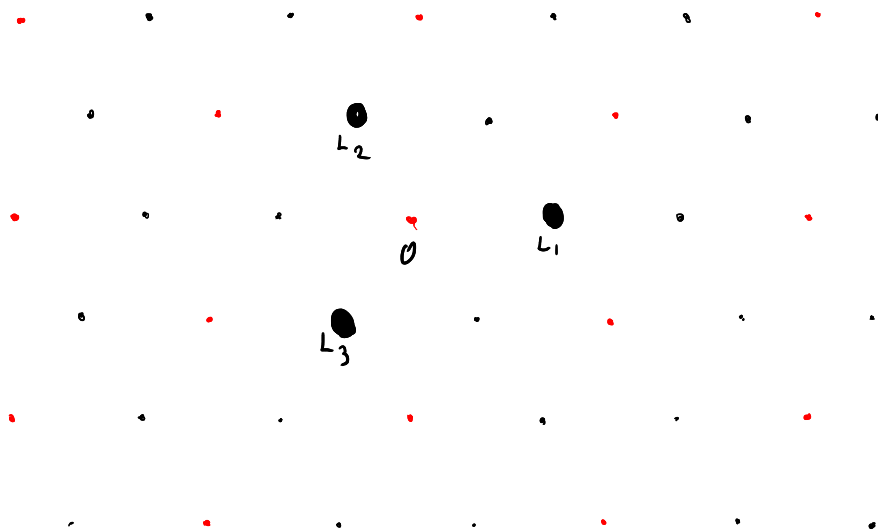
# Examples of irreducible representations of $SL_3$



The **weight lattice**  $\Lambda_w$  with (part of) the **root lattice**  $\Lambda_R$  marked in red.

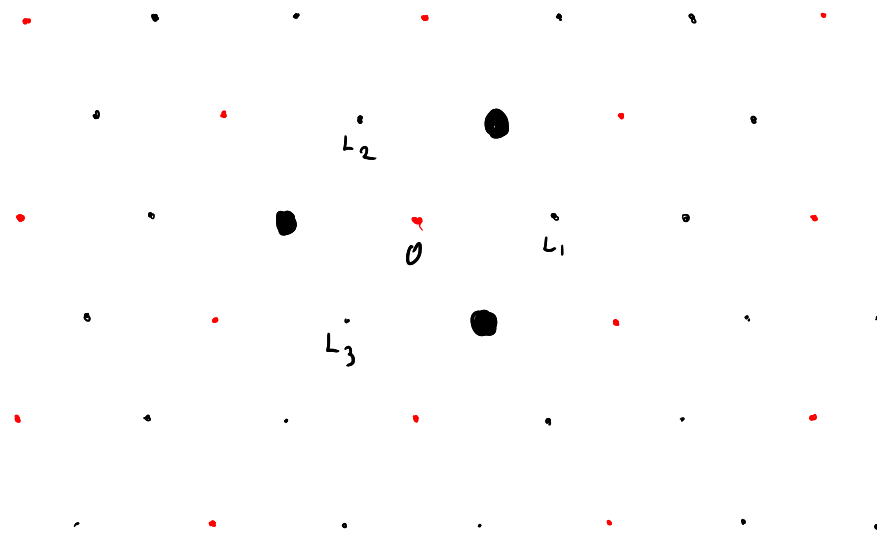
# The standard representation

V

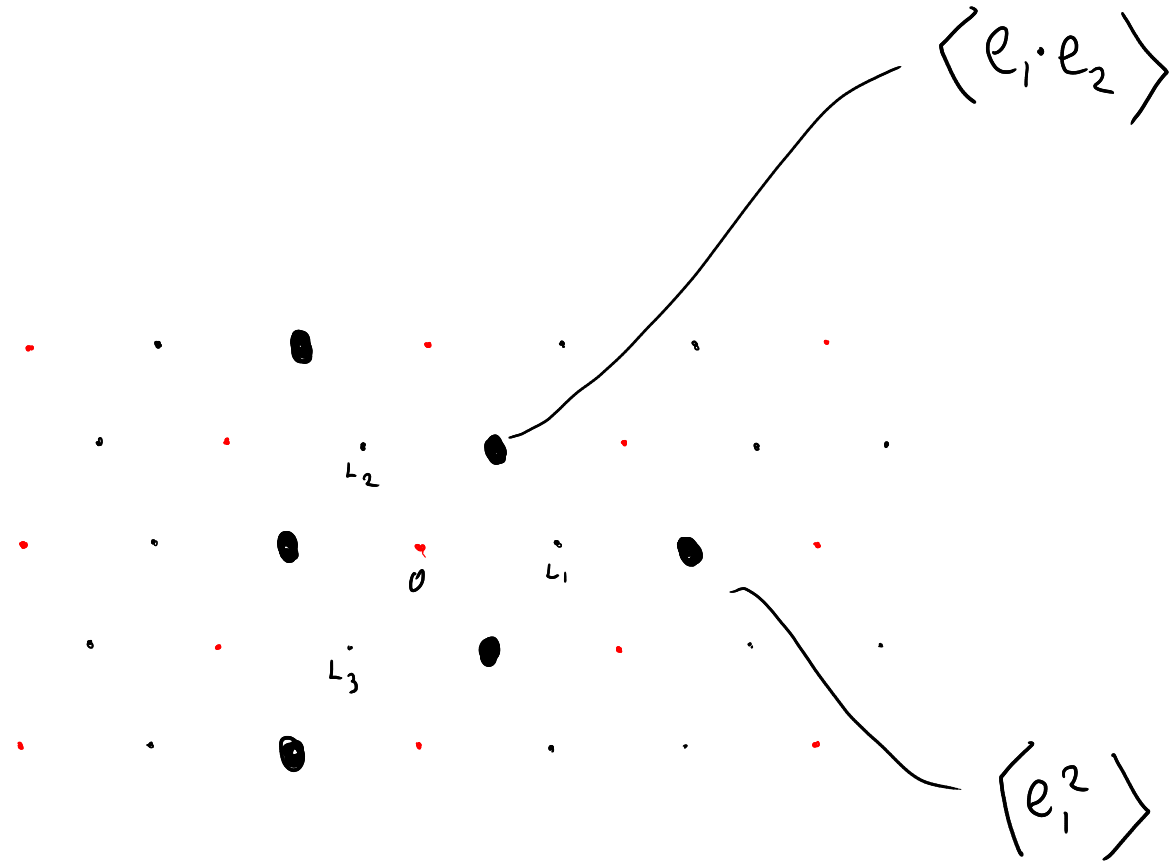


# The dual of the standard rep

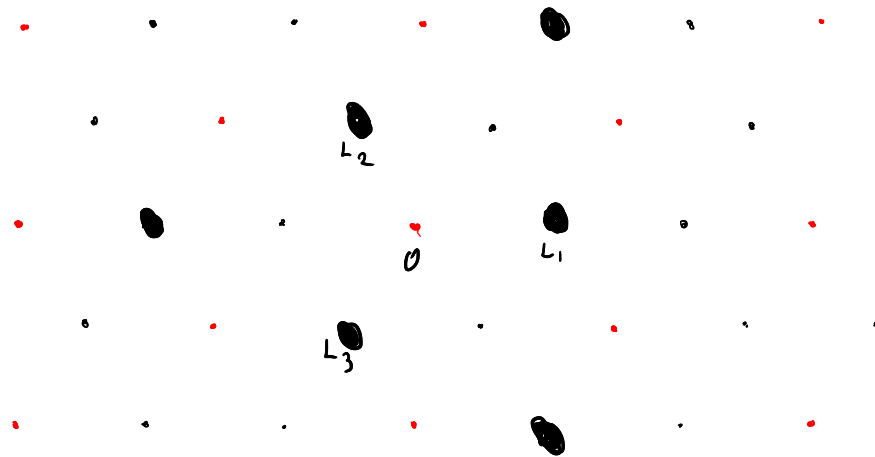
$V^*$



$\text{Sym}^2(V)$



$$\text{Sym}^2(V^*)$$



# The adjoint representation

