

## 25100198 – RA4

Q1.

To reduce client latency, we would set  $R$  to be very low. This will mean that very few replicas need to participate in a read-operation for the command to be considered processed and a result returned to the client. As such, the latency would be lessened.

Q2.

The preference list contains more than  $N$  nodes to account for node failures.

Q3.

No, the preference list does not contain virtual nodes. This is because doing so would effectively result in the preference list containing less than  $N$  nodes!