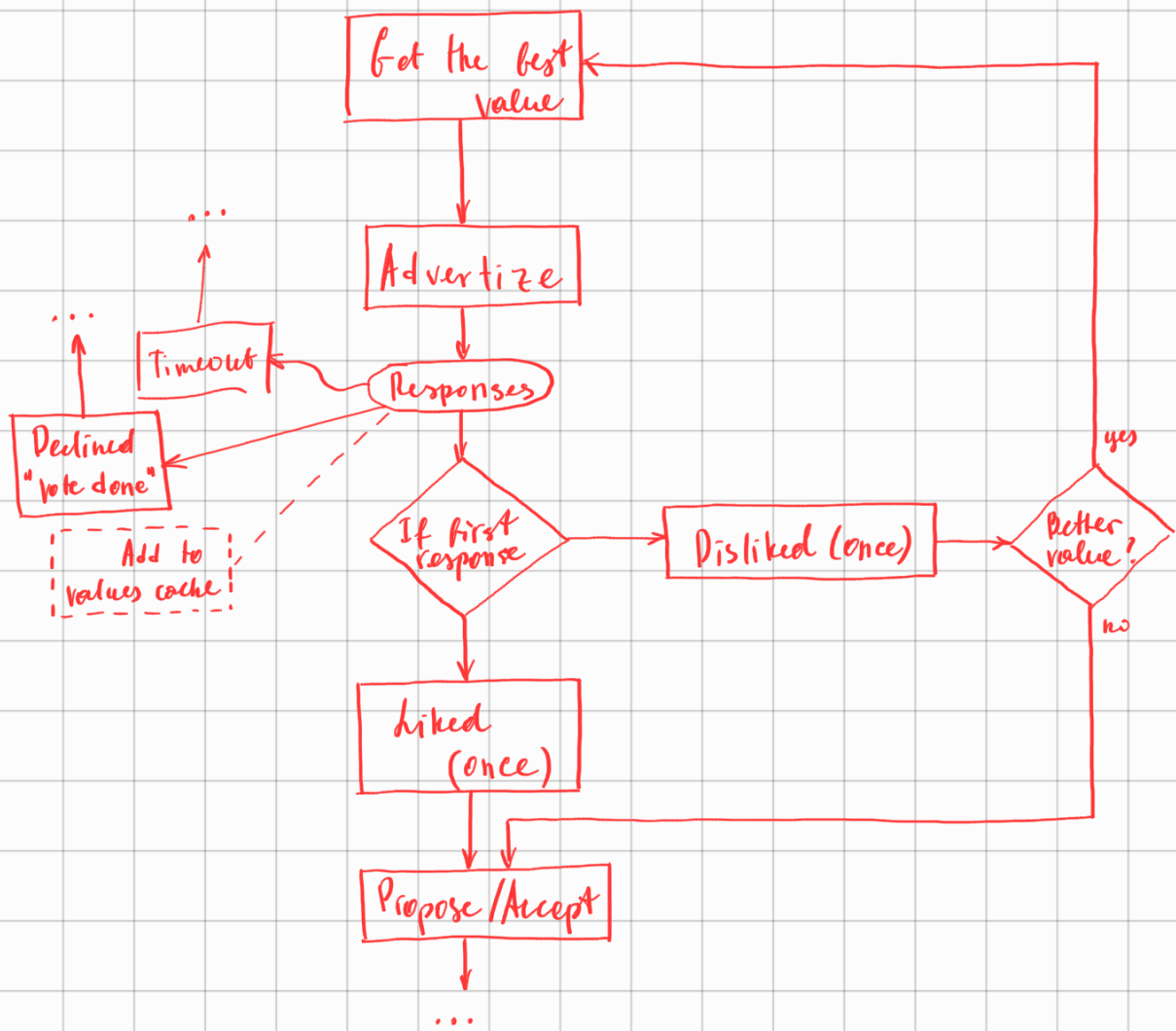


Problem: if we lose 1 out of 3 the quorum will timeout whenever conflicts occur.

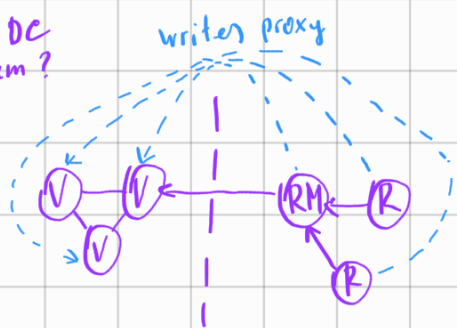
Idea: Advertise stage, as an optimization for small clusters?



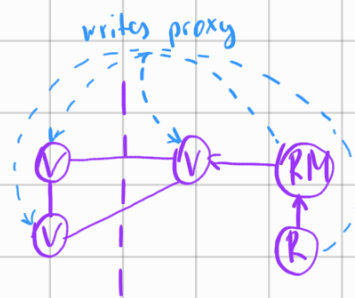
Note: if other Vs have nothing, they'll propose right there, without "Advertise" in their own flow, to minimize overhead on low concurrency traffic.

Idea: can we make it so that only "Advertise" carries the payload, while "Propose" is low-traffic "key" only packet?

Single DC quorum?



E.g. quorum loss prevention



Ideally though, you'd want a cross-DC quorum.

But that's poor write latency, due to cross-DC sync.

It's possible to represent a single range with dual quorum, as below.

But this will effectively double the read load, unless we use a common index.

In this case $[N \cdot R \cdot V]$ tuple should reside on the same machine, sharing the same index.

