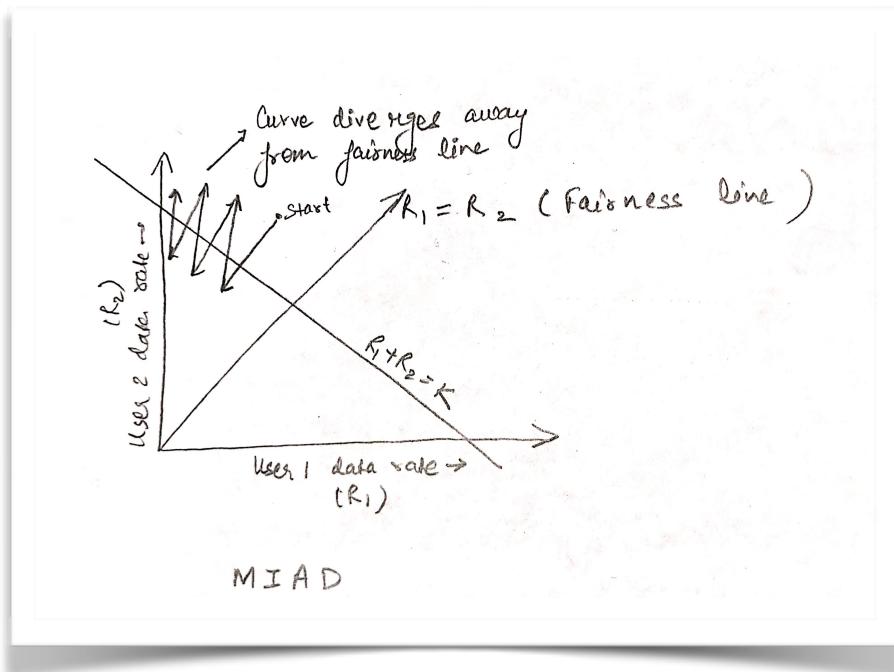


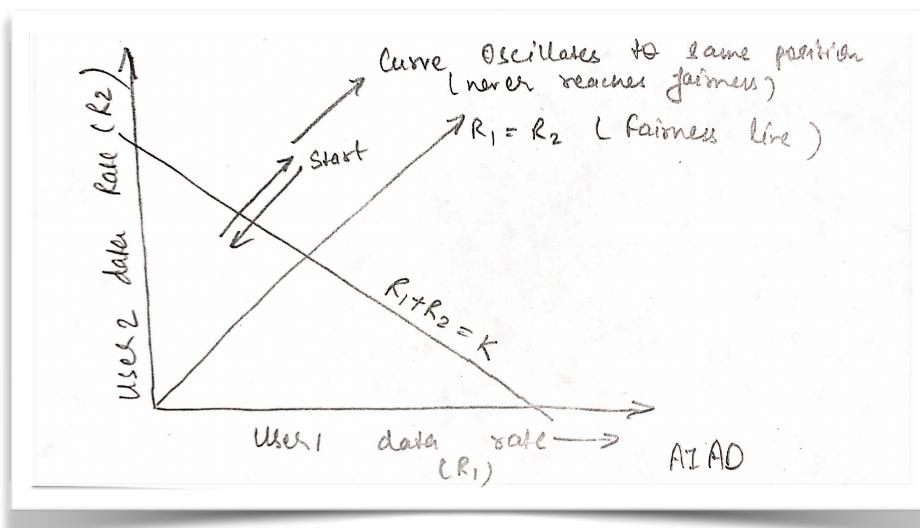
1. Multiplicative increase Additive decrease (MIAD) :

In this case, if we start at congestion point and multiplicatively decrease and additively increase, we start to converge away from the fairness line as shown below:

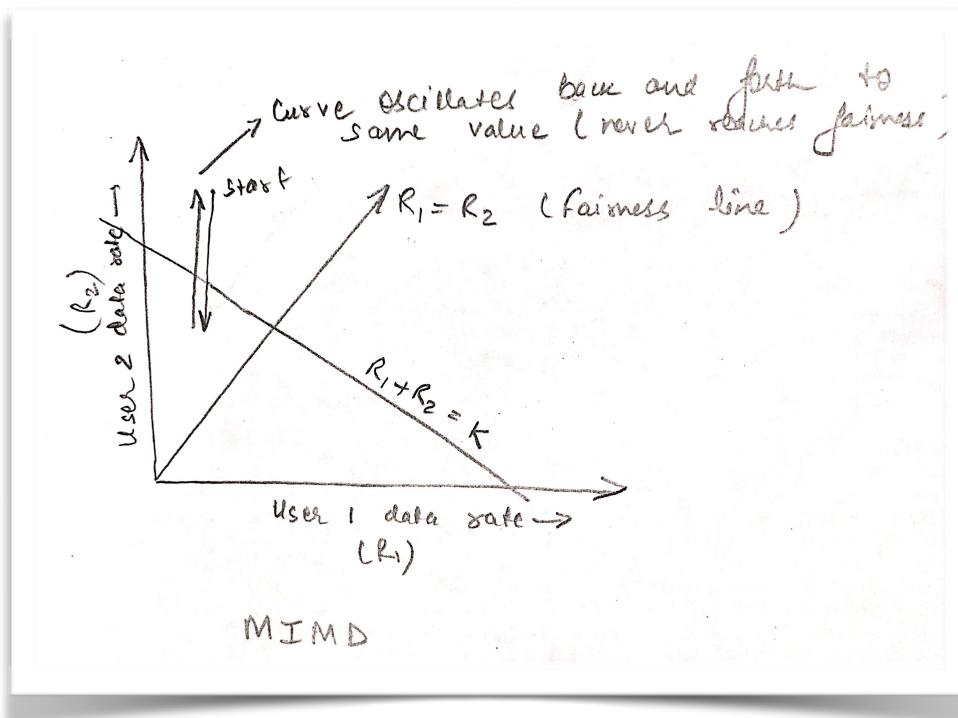


2. Additive Increase Additive decrease (AIAD):

In this case, the curve keeps on oscillating back and forth between the congestion point and the congestion control region. Since, we want a balanced value in the fairness line, this also is not an ideal method.

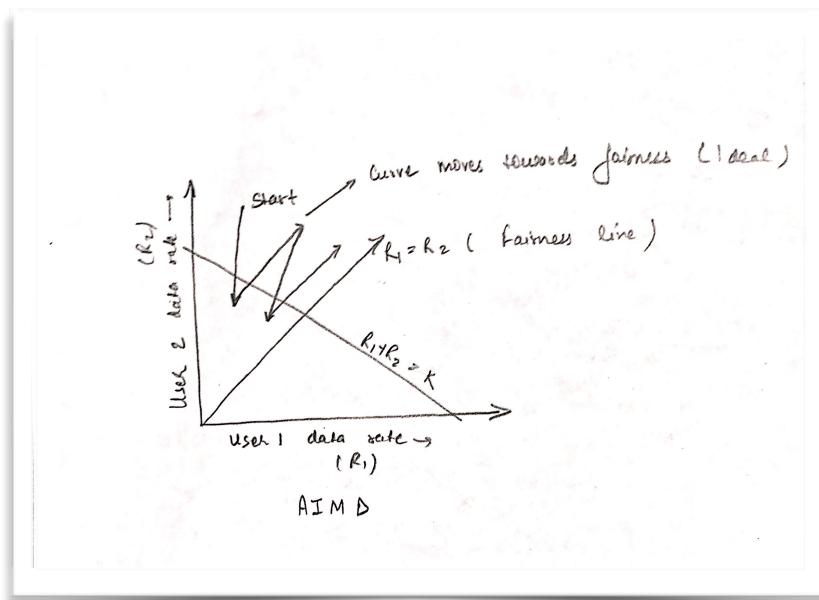


3. Multiplicative increase and Multiplicative decrease (MIMD):



In this method, the curve keeps on oscillating yet again between a congestion point and congestion control region still not moving towards fairness line and thus this is also not advantageous.

IDEAL CASE- Additive Increase multiplicative decrease (AIMD):



In this case, the curve moves towards fairness line as multiplicatively it is reducing rapidly and increasing in an additive fashion thus converging towards our desired line. This happens in the region lower to fairness line as well.

Thus, AIMD is better than MIMD, MIAD, AIAD.

END