Documentation sync

We count the number of negative values and the number of positive values, in addition to the number of total values that arrive. When the total count reaches 50, we reset. To sync, we increase this total count by 2 if the total count is higher than 25 and one of the positive or negative counts increases while it is smaller than 3 and smaller than the other count, while we don’t increase the total count at all if it is smaller than 25 and the same conditions are applied again

This way we slow down the total count if we are running ahead (because the counts switch just after we start the total count), and we speed up the count if we are running behind (because the positive/negative count switches before we reach 50)

# In this case we will lengthen the dark blue total bar count

Increment count by 0, countNegative is increasing, while countPositive is larger than it

Increment count by 1, countNegative is larger than countPostive and countNegative is increasing

countPositive = 8

countPositive = 0

countNegative = 0

countNegative = 8

countNegative = 0

countNegative = 25

countPositive = 8

countPositive = 8

The black bar shows how far we would have progressed if we had not adjusted. The green bar shows the adjustment

Increment count by 1, countPositive is larger than countNegative and countPositive is increasing

# In this case we will shorten the dark blue total bar count