Settings of OK's internal buffer (mq0 & mq1 in green)

The mq0 can buffer to at most 10MB (almost the entire DASH file)

	mq 0	mq 1
Max buffer size	10 MB	10MB
Max time	0	10 sec
Max buffer	0	0

Settings of NG's internal buffer (mq0 & mq1 in green)

mq0 can buffer at most 2*4K (soupHTTP's block size) 5 seconds. (in this case, the 2MB can buffer ~ 10 seconds for 1500K & 60 seconds for 256K so is bounded by max time)

	mq 0	mq 1
Max buffer size	0	2MB AUTO_PREROLL_SIZE_BYTES
Max time	0	5 sec 5 * GST_SECOND
Max buffer	2	0

Result:

The Vertical axis is the estimated bitrate.

The Horizontal axis is the sequence number we do estimate before downloading.

Notice that if the internal is enough the estimation is pretty good.