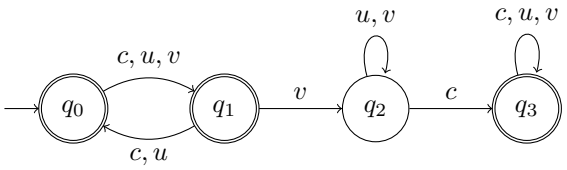

Figure 1: Property showing that we were not optimal

In fig. 1, we can see that using only Q_{enf} is not optimal, because when $c.c$ is received, it is possible to emit c, which would not be done using only Q_{enf}. It is possible to emit c because in this property, all that is necessary is to avoid state q_2, which is possible if there is at least one c in the buffer. Thus, when $c.c$ is received, the first one can be emitted. This property is defined in the file prop1.tmtn, that can be given to the test executable, that will then enforce it.