

## Nomenclature

variable<sub>local\_restriction</sub><sup>semantic\_restriction</sup>

- variable:
  - $\alpha$ : arrival curve
  - $\beta$ : service curve, rate latency curve
  - $\gamma$ : affine curve
  - $b$ : burst
  - $B$ : backlog bound
  - $D$ : delay bound
  - $T$ : latency
  - $r, R$ : rates
- local restrictions (w.r.t the network):
  - $v_n$ : at vertex  $v_n$
  - $v_n v_m$ : at both vertices  $v_n$  and  $v_m$
  - e2e: end-to-end
- semantic restriction (w.r.t. data):  $\{\text{quantifier}\} \times \{\text{flow}\}$ 
  - $f_n$ : restricted to flow  $f_n$
  - sum: sum of all flows
  - $xf_n$ : crossflows of flow  $f_n$
  - l.o. $f_n$ : left-over for flow  $f_n$

$\beta^{\text{l.o.}f_n}$  is actually equivalent to  $\beta^{f_n}$ , however,  $\beta^{\text{l.o.}f_n}$  should be used. The same accounts for  $\beta_{R,T}$ 's variables  $R$  and  $T$ .