## 5.1 - Linear Program

We interpret G with each edge		n macro: 'mathinline'		appings as a flow network, considering	
volume assigned to every (super Unknown macro: '		created by the expression of the	_	ing transcripts T.Consequently, given Unknown macro: 'mathinl	
		the contribution of the support		Officiowit macro. macrimi	to the
flux Unknown macr	o: 'mathinline	observed along e can be o	described by a linear	equation	
Unknown macro: '	'mathinline'				
•			•	ved between tail <sub>e</sub> and head <sub>e</sub> . In the tr cessed transcript. The correction fact	•
Unknown macro: '	'mathinline'	in Eq.1 is to compensate for d	ivergence from the e	expectation created by stochastical sa	ımplina intrinsic
		nt provides a series of observati	ons on the underlyin	g expression level $t_i$ along the transcrar equations by inferring Equation 1 or	ript body.
Unknown macro: '	'mathinline'	. Subsequently, the linear equa	ations spanned by a	locus are resolved by the objective fu	ınction
Unknown macro: '	'mathinline'				

(Equation 2) Solving the linear program (Eq.2) imposed by a locus intrinsically provides an estimate for the expression level  $t_i$  of all alternative transcripts that are annotated.