$$\mathbf{L_i} = egin{bmatrix} \mathrm{edge_{i,1}} \\ \mathrm{edge_{i,2}} \\ \vdots \\ \mathrm{edge_{i,n}} \end{bmatrix}$$
  $\mathbf{L} \sim \mathbf{DC} + \mathbf{OP} + \mathbf{TA}$