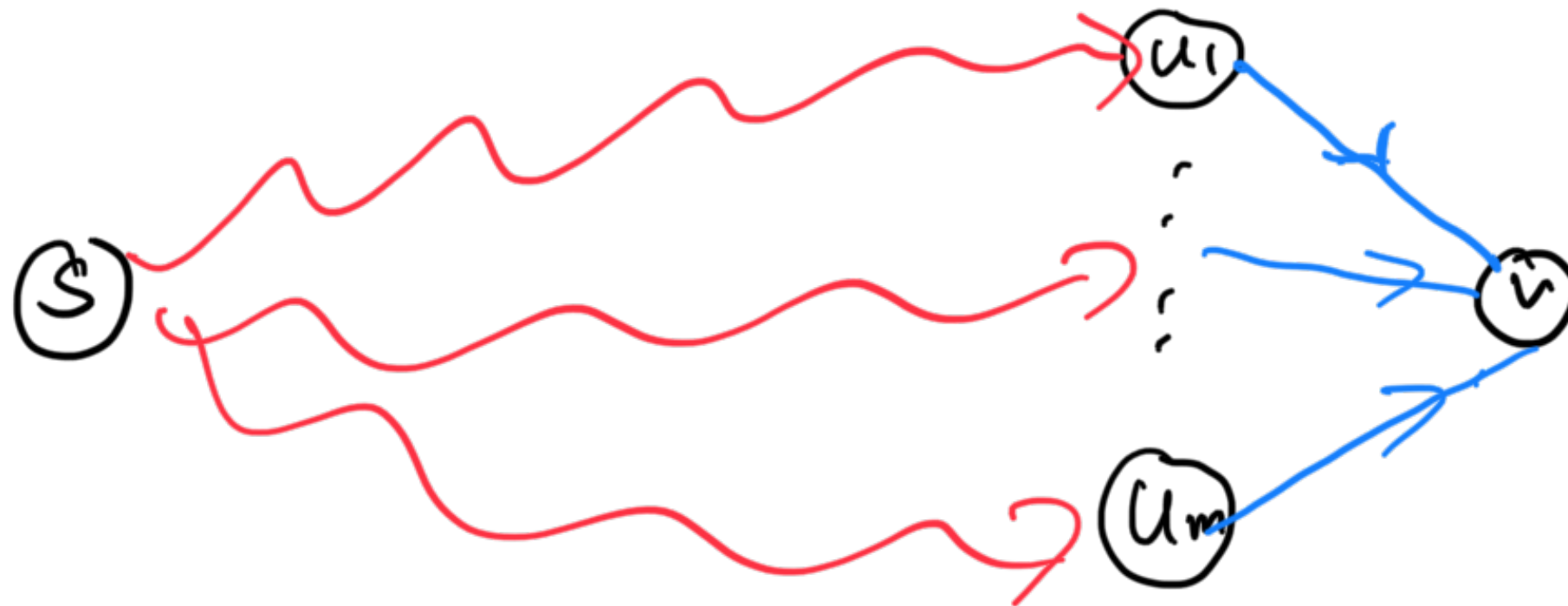




$(u_1, \dots, u_m) \quad v$



$d[v]$

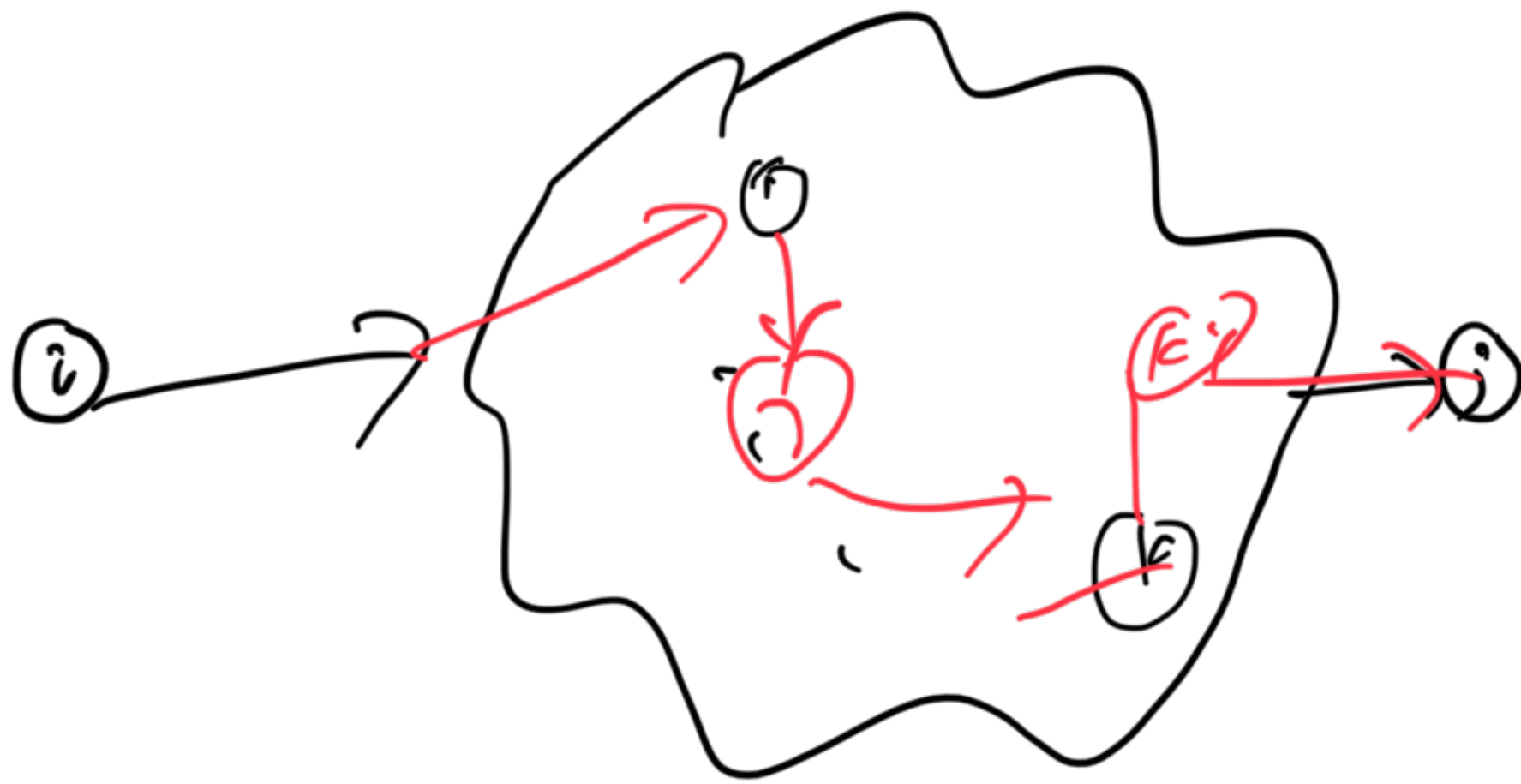
$d[u_1] \dots d[u_m]$

$$d[v] = \min_i \{ d[u_i] + w(u_i, v) \}$$

~~$d^{(k)}[v]$~~

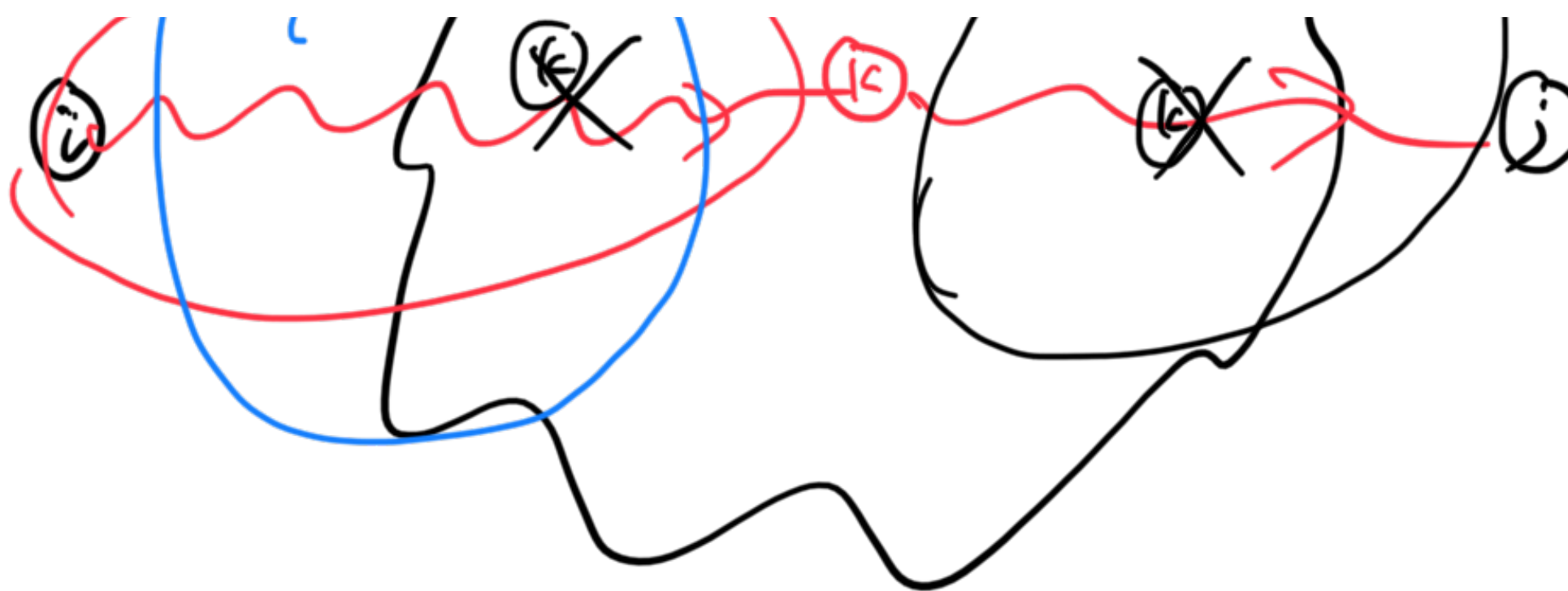
$d_{ij}^{(n)}$

$k \in \mathbb{N}$



$$w_{ij} = d^{(0)}_{ij} \geq d^{(1)}_{ij} \cdot \cdot \geq d^{(k)}_{ij} \geq d^{(k+1)}_{ij} \cdot \cdot \geq d^{(n)}_{ij} = d_{ij}$$





$$d_{ij}^{(k)} = d_{ik}^{(k-1)} + d_{kj}^{(k-1)}$$

$$d_{ij}^{(k-1)}$$