

$$M_{ij} = \begin{bmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 \end{bmatrix}$$



Physical node is embedded with v_i



Backup physical node



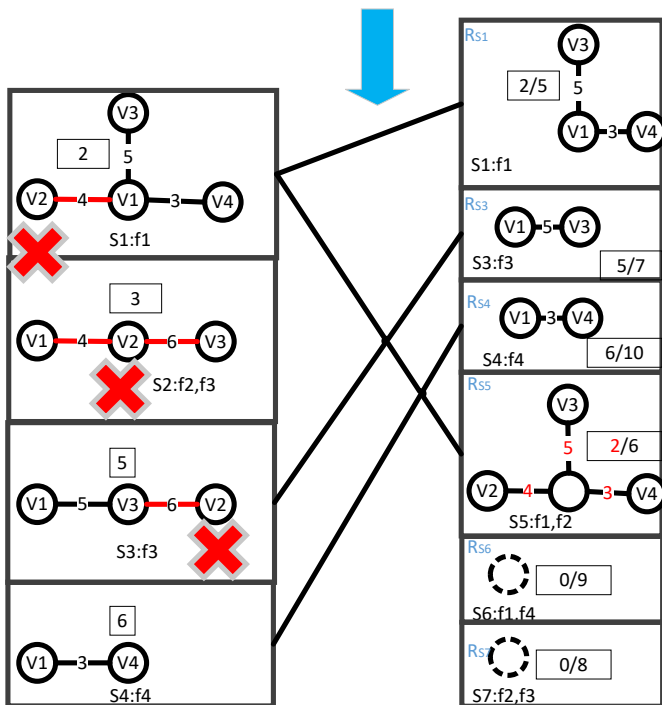
Virtual node computing demand 3



Occupied 2/Capacity 5



Backup edge with bandwidth demand i



virtual node v2 migrate when physical node s2 fail

