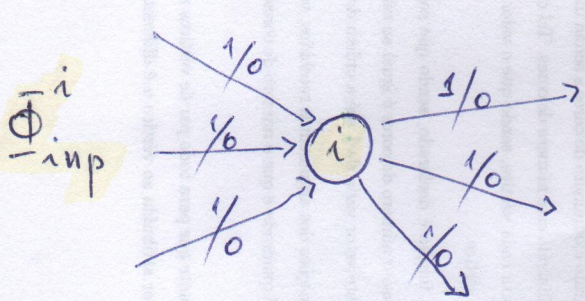
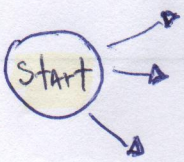
Fluxo nos Demais nós:



Φ^i_{inp} Φ^i_{out} $\Rightarrow$ $\Phi^i_{inp} = \Phi^i_{out}$

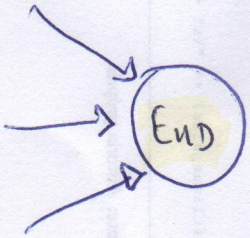
Sendo $i \neq START$
$i \neq END$.

Fluxo no nó START/início:



$\Rightarrow$ $\Phi^{start}_{inp} - \Phi^{start}_{out} = -1$

Fluxo no nó FINAL/END:



$\Rightarrow$ $\Phi^{END}_{inp} - \Phi^{end}_{out} = 1$