

Infinite Hierarchy of  
SourceOrExcess classes

$$\#PPAD(\text{SourceOrExcess}(n,1)) - 1$$

⋮

$$\#PPAD(\text{SourceOrExcess}(3,1)) - 1$$

Parsimonious Reduction

$$\#PPAD(\text{SourceOrExcess}(2,1)) - 1$$

$$\begin{aligned}\#P &= (\#PPAD(\text{SourceOrSink}) - 1)/2 \\ &= \#PPAD(\text{SourceOrPresink}) - 1\end{aligned}$$