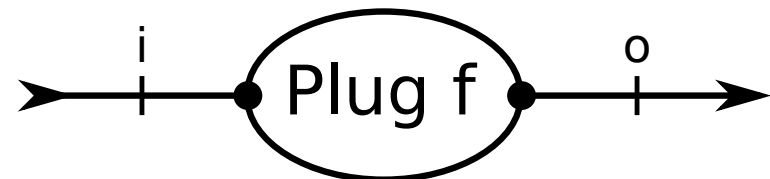
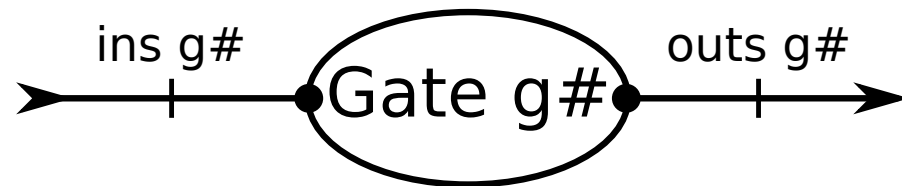


$$\text{Nil} : \mathbb{C} \ 0 \ 0 \quad \text{Nil}$$

$$\frac{i \ o : \mathbb{N} \quad f : \text{Fin } o \rightarrow \text{Fin } i}{\text{Plug } f : \mathbb{C} \ i \ o}$$



$$\frac{g\# : \text{Gate}\#}{\text{Gate } g\# : \mathbb{C} \ (\text{ins } g\#) \ (\text{outs } g\#)}$$



$$\frac{c : \mathbb{C} \ (i+1) \ (o+1)}{\text{DelayLoop} : \mathbb{C} \ i \ o}$$

