

$\frac{n \mathsf{T} \Box \varphi}{m \mathsf{T} \varphi} \Box \mathsf{T}$ <p><math>m</math> is used</p>	$\frac{n \mathsf{F} \Box \varphi}{m \mathsf{F} \varphi} \Box \mathsf{F}$ <p><math>m</math> is new</p>
$\frac{n \mathsf{T} \Diamond \varphi}{m \mathsf{T} \varphi} \Diamond \mathsf{T}$ <p><math>m</math> is new</p>	$\frac{n \mathsf{F} \Diamond \varphi}{m \mathsf{F} \varphi} \Diamond \mathsf{F}$ <p><math>m</math> is used</p>

Table 1: Simplified rules for **S5**.

nml:seq:s5:  
tab:rules-S5

## seq.1 Hypersequents for S5

nml:seq:s5:  
sec **Example seq.1.** We give a hypersequent **deriation** that shows **S5**  $\vdash 5$ , i.e.,  $\Diamond \varphi \rightarrow \Box \Diamond \varphi$ .

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## Bibliography