## N<br/>matrix (level 0) in KD4 $\,$

•  $\mathcal{D} = \{\mathbf{t}_2, \mathbf{t}, \mathbf{T}\}$ 

## Subformulas

- $(\varphi_0)$  p
- $(\varphi_1) \square p$
- $(\varphi_2) \square \square p$
- $(\varphi_3)$   $(\Box p \rightarrow \Box \Box p)$

Id	$arphi_0$	$arphi_1$	$arphi_2$	$arphi_3$
(1)	${f F}$	${f F}$	${f F}$	${f T}$
(2)	${f f}$	$\mathbf{f}_2$	${f T}$	${f T}$
(3)	${f f}$	${f f}$	$\mathbf{f}_2$	${f T}$
(4)	${f f}$	${f f}$	${f f}$	${f T}$
(5)	${f f}$	${f f}$	${f f}$	${f t}$
(6)	${f f}$	${f f}$	${f F}$	${f t}$
(7)	${f f}$	${f F}$	${f F}$	${f T}$
(8)	$\mathbf{f}_2$	${f T}$	${f T}$	${f T}$
(9)	$\mathbf{t}_2$	${f F}$	${f F}$	${f T}$
(10)	$\mathbf{t}$	$\mathbf{f}_2$	${f T}$	${f T}$
(11)	$\mathbf{t}$	${f f}$	$\mathbf{f}_2$	${f T}$
(12)	$\mathbf{t}$	${f f}$	${f f}$	${f T}$
(13)	$\mathbf{t}$	${f f}$	${f f}$	${f t}$
(14)	$\mathbf{t}$	${f f}$	${f F}$	${f t}$
(15)	$\mathbf{t}$	${f F}$	${f F}$	${f T}$
(16)	${f T}$	${f T}$	${f T}$	T