Nmatrix (level 0) in KD4

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

Subformulas

- (φ_0) p
- $(\varphi_1) \square p$
- $(\varphi_2) \Diamond p$ $(\varphi_3) (\Box p \rightarrow \Diamond p)$

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

Id	$arphi_0$	$arphi_1$	$arphi_2$	$arphi_3$
(20)	\mathbf{t}	${f f}$	${f T}$	${f T}$
(21)	${f t}$	${f F}$	\mathbf{t}_2	${f T}$
(22)	${f t}$	${f F}$	\mathbf{t}	${f T}$
(23)	${f t}$	${f F}$	${f T}$	${f T}$
(24)	${f T}$	${f T}$	${f T}$	${f T}$