Nmatrix (level 0) in KD45

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

Subformulas

- (φ_0) p
- (φ_1) q
- (φ_2) $(p \rightarrow q)$
- $(\varphi_3) \square p$
- $(\varphi_4) \Box q$
- $(\varphi_5) \square (p \rightarrow q)$
- $(\varphi_6) (\Box p \rightarrow \Box q)$
- (φ_7) $(\Box(p \rightarrow q) \rightarrow (\Box p \rightarrow \Box q))$

Id	φ_0	φ_1	φ_2	φ_3	φ_4	$arphi_5$	φ_6	φ_7
(1)	${f F}$	\mathbf{F}	${f T}$	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(2)	${f F}$	\mathbf{f}	${f T}$	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(3)	${f F}$	\mathbf{f}_2	${f T}$	${f F}$	${f T}$	${f T}$	${f T}$	${f T}$
(4)	${f F}$	\mathbf{t}_2	${f T}$	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(5)	${f F}$	${f t}$	${f T}$	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(6)	${f F}$	${f T}$	${f T}$	${f F}$	${f T}$	${f T}$	${f T}$	${f T}$
(7)	${f f}$	${f F}$	\mathbf{t}	${f F}$	${f F}$	${f F}$	${f T}$	${f T}$
(8)	${f f}$	${f f}$	${f T}$	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(9)	${f f}$	${f f}$	\mathbf{t}	${f F}$	${f F}$	${f F}$	${f T}$	${f T}$
(10)	${f f}$	\mathbf{f}_2	${f T}$	${f F}$	${f T}$	${f T}$	${f T}$	${f T}$
(11)	${f f}$	\mathbf{t}_2	${f t}$	${f F}$	${f F}$	${f F}$	${f T}$	${f T}$
(12)	${f f}$	${f t}$	${f T}$	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(13)	${f f}$	${f t}$	${f t}$	${f F}$	${f F}$	${f F}$	${f T}$	${f T}$
(14)	${f f}$	${f T}$	${f T}$	${f F}$	${f T}$	${f T}$	${f T}$	${f T}$
(15)	\mathbf{f}_2	${f F}$	\mathbf{t}_2	${f T}$	${f F}$	${f F}$	${f F}$	${f T}$

Id	φ_0	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_7
$\overline{(16)}$	\mathbf{f}_2	f	\mathbf{t}	${f T}$	\mathbf{F}	\mathbf{F}	\mathbf{F}	${f T}$
(17)	$oldsymbol{ar{f}}_2$	\mathbf{f}_2	${f T}$	${f T}$	${f T}$	${f T}$	${f T}$	${f T}$
(18)	\mathbf{f}_2	\mathbf{t}_2	\mathbf{t}_2	${f T}$	${f F}$	${f F}$	${f F}$	${f T}$
(19)	\mathbf{f}_2	${f t}$	${f t}$	${f T}$	${f F}$	${f F}$	${f F}$	${f T}$
(20)	\mathbf{f}_2	${f T}$	${f T}$	${f T}$	${f T}$	${f T}$	${f T}$	${f T}$
(21)	\mathbf{t}_2	${f F}$	\mathbf{f}_2	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(22)	\mathbf{t}_2	${f f}$	\mathbf{f}_2	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(23)	\mathbf{t}_2	\mathbf{f}_2	\mathbf{f}_2	${f F}$	${f T}$	${f T}$	${f T}$	${f T}$
(24)	\mathbf{t}_2	\mathbf{t}_2	${f T}$	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(25)	\mathbf{t}_2	${f t}$	${f T}$	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(26)	\mathbf{t}_2	${f T}$	${f T}$	${f F}$	${f T}$	${f T}$	${f T}$	${f T}$
(27)	\mathbf{t}	${f F}$	${f f}$	${f F}$	${f F}$	${f F}$	${f T}$	${f T}$
(28)	\mathbf{t}	${f f}$	${f f}$	${f F}$	${f F}$	${f F}$	${f T}$	${f T}$
(29)	\mathbf{t}	${f f}$	\mathbf{f}_2	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(30)	\mathbf{t}	\mathbf{f}_2	\mathbf{f}_2	${f F}$	${f T}$	${f T}$	${f T}$	${f T}$
(31)	\mathbf{t}	\mathbf{t}_2	${f t}$	${f F}$	${f F}$	${f F}$	${f T}$	${f T}$
(32)	\mathbf{t}	\mathbf{t}	${f T}$	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(33)	\mathbf{t}	\mathbf{t}	\mathbf{t}	${f F}$	${f F}$	${f F}$	${f T}$	${f T}$
(34)	\mathbf{t}	${f T}$	${f T}$	${f F}$	${f T}$	${f T}$	${f T}$	${f T}$
(35)	${f T}$	${f F}$	${f F}$	${f T}$	${f F}$	${f F}$	${f F}$	${f T}$
(36)	${f T}$	${f f}$	${f f}$	${f T}$	${f F}$	${f F}$	${f F}$	${f T}$
(37)	${f T}$	\mathbf{f}_2	\mathbf{f}_2	${f T}$				
(38)	${f T}$	\mathbf{t}_2	\mathbf{t}_2	${f T}$	${f F}$	${f F}$	${f F}$	${f T}$
(39)	${f T}$	${f t}$	\mathbf{t}	${f T}$	${f F}$	${f F}$	${f F}$	${f T}$
(40)	\mathbf{T}	\mathbf{T}	\mathbf{T}	\mathbf{T}	\mathbf{T}	\mathbf{T}	\mathbf{T}	\mathbf{T}