## Nmatrix (level 0) in KDB

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

## Subformulas

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

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

Id	$arphi_0$	$arphi_1$	$arphi_2$	$arphi_3$
(20)	$\mathbf{f}_2$	$\mathbf{t}$	${f f}$	$\mathbf{t}$
(21)	$\mathbf{f}_2$	$\mathbf{t}$	${f F}$	$\mathbf{t}_2$
(22)	$\mathbf{f}_2$	${f T}$	$\mathbf{t}_2$	$\mathbf{t}_2$
(23)	$\mathbf{f}_2$	${f T}$	${f t}$	${f t}$
(24)	$\mathbf{f}_2$	${f T}$	${f T}$	${f T}$
(25)	$\mathbf{t}_2$	$\mathbf{f}_2$	$\mathbf{t}_2$	${f T}$
(26)	$\mathbf{t}$	${f T}$	$\mathbf{t}_2$	${f t}$
(27)	$\mathbf{t}$	${f T}$	${f t}$	${f T}$
(28)	$\mathbf{t}$	${f T}$	${f t}$	${f t}$
(29)	$\mathbf{t}$	${f T}$	${f T}$	${f T}$
(30)	${f T}$	${f T}$	$\mathbf{t}_2$	$\mathbf{t}_2$
(31)	${f T}$	${f T}$	${f t}$	${f t}$
(32)	${f T}$	${f T}$	${f T}$	${f T}$