

Formale Grundlagen der Informatik II - Blatt 06

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06.3

1.

$$VC(\phi_{01}) = (1, 0, 0, 0)$$

$$VC(\phi_{02}) = (2, 0, 0, 0)$$

$$VC(\phi_{03}) = (3, 3, 1, 0)$$

$$VC(\phi_{04}) = (4, 3, 1, 3)$$

$$VC(\phi_{05}) = (5, 3, 1, 3)$$

$$VC(\phi_{06}) = (6, 3, 1, 3)$$

$$VC(\phi_{11}) = (1, 1, 0, 0)$$

$$VC(\phi_{12}) = (0, 2, 1, 0)$$

$$VC(\phi_{13}) = (0, 3, 1, 0)$$

$$VC(\phi_{14}) = (0, 4, 1, 0)$$

$$VC(\phi_{15}) = (2, 5, 5, 4)$$

$$VC(\phi_{16}) = (5, 6, 5, 6)$$

$$VC(\phi_{21}) = (0, 0, 1, 0)$$

$$VC(\phi_{22}) = (2, 0, 2, 0)$$

$$VC(\phi_{23}) = (2, 0, 3, 4)$$

$$VC(\phi_{24}) = (2, 4, 4, 4)$$

$$VC(\phi_{25}) = (2, 4, 5, 4)$$

$$VC(\phi_{26}) = (6, 4, 6, 4)$$

$$VC(\phi_{31}) = (0, 0, 0, 1)$$

$$VC(\phi_{32}) = (0, 0, 1, 2)$$

$$VC(\phi_{33}) = (0, 0, 1, 3)$$

$$VC(\phi_{34}) = (0, 0, 1, 4)$$

$$VC(\phi_{35}) = (5, 3, 1, 5)$$

$$VC(\phi_{36}) = (5, 3, 1, 6)$$

2.

$$VC(\phi_{31}) = (0, 0, 0, 1) < VC(\phi_{12}) = (0, 2, 1, 0) < VC(\phi_{03}) = (3, 3, 1, 0) < VC(\phi_{26}) = (6, 4, 6, 4)$$

3.

$$VC(\phi_{02}) = (2, 0, 0, 0) \neq VC(\phi_{11}) = (1, 1, 0, 0) \neq VC(\phi_{21}) = (0, 0, 1, 0) \neq VC(\phi_{31}) = (0, 0, 0, 1)$$

4.

$$(1, \phi_{01})$$

$$(2, \phi_{02})$$

$$(5, \phi_{03})$$

$$(2, \phi_{11})$$

$$(3, \phi_{12})$$

$$(4, \phi_{13})$$

$$(1, \phi_{21})$$

$$(5, \phi_{22})$$

$$(1, \phi_{23})$$

$$(1, \phi_{31})$$

$$(2, \phi_{32})$$

$$(3, \phi_{33})$$

06.4

TODO!