Radosław Kopeć

(a) $x := x+y$

(b) $y := y+2_2$

(c) $x := 3x+2$

(d) $z := y-z$

1a)

zależności

$$D = \{(d,d), (c,c), (b,b), (a,a), (c,d), (d,c), (b,d), (d,b), (a,c), (c,a), (a,b), (b,a)\}$$

niezależności

$$\underline{I} = \{(a,d), (d,a), (b,c), (c,b)\}$$

1b

$$w = baadcb$$

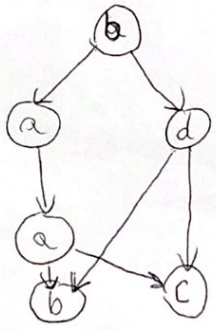
$$t = [w]_{\equiv_I} = [\langle b, a, a, d, c, b\rangle]$$

1c

$$t \equiv [\langle b, a, a, d, c, b\rangle]_{\equiv_I} =$$

$$[\{b\}]_{\equiv_I} \frown [\{a, d\}]_{\equiv_I} \frown [\{a\}]_{\equiv_I} \frown [\{c, b\}]_{\equiv_I}$$

1d)



Radosław Kopeć

2od2

(a) $x \leftarrow y+2$

(b) $y \leftarrow x+w+y$

(c) $x \leftarrow x+y+v$

(d) $w \leftarrow v+2$

(e) $v \leftarrow x+v+w$

(f) $2 \leftarrow y+2+v$

2a)

$$\underline{I} = \{(a,d),(d,a),(b,e),(e,b),(c,d),(d,c),(c,f),(f,c)\}$$

$$D = \text{sym}\{(a,b),(a,c),(a,e),(b,a),(b,c),(b,f),$$
$$(c,a),(c,b),(c,e),(d,b),(d,e),\ \text{~~(d,f)~~},$$
$$(e,c),(e,d),(e,f),(f,a),(f,d)\} \cup \underline{I}_{\Sigma}$$

2b) $u = acdbbe$

$$[u] = [\{a,d\}]\,\widehat{}\,[\{c,f\}]\,\widehat{}\,[\{c\}]\,\widehat{}\,[\{b,e\}]\,\widehat{}\,[\{b\}]$$

2c)