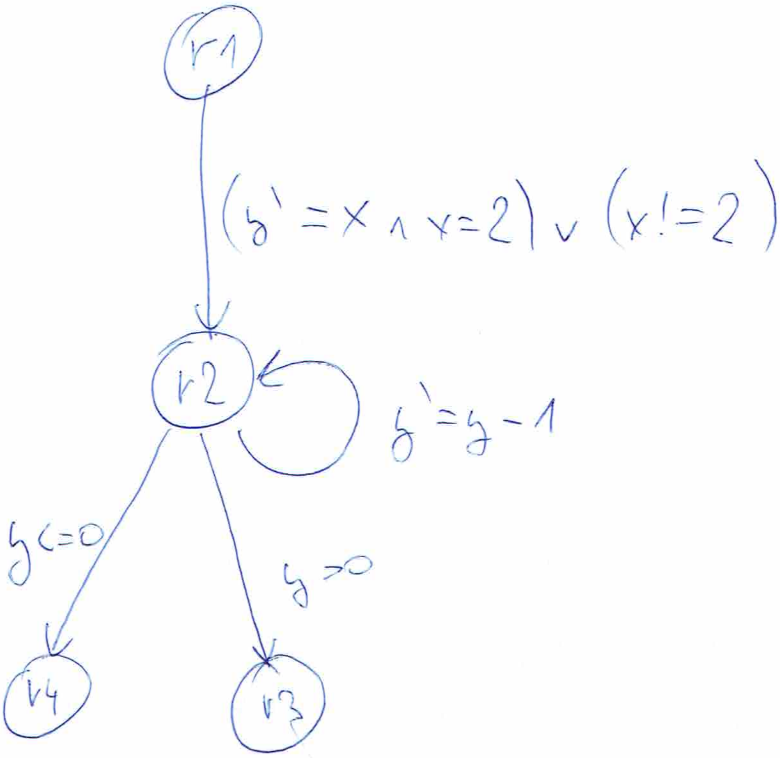

$I \equiv c=1$

$$\varphi \equiv (c=1 \wedge y'=x \wedge x=2 \wedge c=2)$$
$$\vee$$
$$(c=1 \wedge x!=2 \wedge c=2$$
$$\vee$$
$$(c=2 \wedge y'=y-1 \wedge c=2)$$
$$\vee$$
$$(c=2 \wedge y>0 \wedge c=3)$$
$$\vee$$
$$(c=2 \wedge y<=0 \wedge c=4)$$

$$\mathcal{T}(I) \equiv (c_0=1 \wedge y_1 = x_0 \wedge x_0=2 \wedge c_1=2)$$
$$\vee$$
$$(c_0=1 \wedge x_0 != 2 \wedge c_1=2)$$
$$\equiv c_0=1 \wedge c_1=2 \wedge [(y_1=x_0 \wedge x_0=2) \vee (x_0!=2)]$$

$$\mathcal{T}(\mathcal{T}(I)) \equiv c_0=1 \wedge c_1=2 \wedge [(y_1=x_0) \wedge x_0=2) \vee (x_0!=2)]$$
$$\wedge [(c_1=2 \wedge y_2=y_1 - 1 \wedge c_2=2)$$
$$\vee$$
$$(c_1=2 \wedge y_1>0 \wedge c_2=3)$$
$$\vee$$
$$(c_1=2 \wedge y_1<=0 \wedge c_2=4)]$$

$$\mathcal{T}^3(I) \equiv c_0=1 \wedge c_1=2 \wedge [(y_1=x_0 \wedge x_0=2) \vee (x_0!=2)]$$
$$\wedge [(y_2=y_1 - 1 \wedge c_2=2) \vee (y_1>0 \wedge c_2=3) \vee (y_1<=0 \wedge c_2=4)]$$
$$\wedge c_2=2 \wedge [(y_3=y_2 - 1 \wedge c_3=2) \vee (y_2>0 \wedge c_3=3)$$
$$\vee (y_2<=0) \wedge c_3=4)]$$

$$\mathcal{T}^4(I) \equiv c_0=1 \wedge c_1=2 \wedge [(y_1=x_0 \wedge x_0=2) \vee (x_0!=2)]$$
$$\wedge (y_2=y_1 - 1 \wedge c_2=2) \wedge (y_3=y_2 - 1 \wedge c_3=2)$$
$$\wedge [(y_4=y_3 - 1 \wedge c_4=2) \vee (y_3>0 \wedge c_4=3) \vee (y_3<=0 \wedge c_4=4)]$$