

CoCo participant: CSI

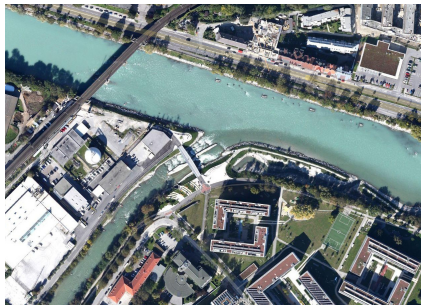
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About



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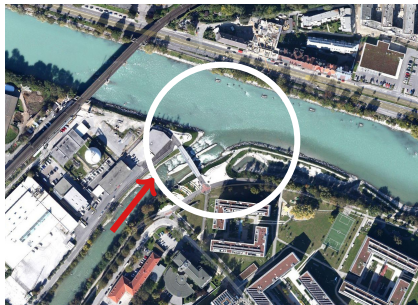
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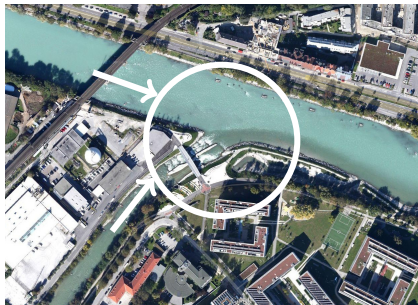
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[Google Maps]

CSI

About



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CSI

- open source confluence tool
- <http://cl-informatik.uibk.ac.at/software/csi/>

CSI

- confluence tool for first-order term rewriting
- critical pair closing systems^{new}
- (labeling multisteps)^{new}

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UN support

- decide $UN^=$, UN^{\rightarrow} for ground systems^{new}
- non- ω -overlapping systems^{new}

UN category

$$S \circ x \circ y \circ z \rightarrow (x \circ z) \circ (y \circ z)$$

$$I \circ x \rightarrow x$$

$$K \circ x \circ y \rightarrow x$$

$$D \circ x \circ x \rightarrow x$$

About

- decide UN^{\rightarrow} instead of CR
- practical interest: UN^{\rightarrow} corresponds to unique answers
- input format: TRS
- answers: YES/NO/MAYBE

UN category

$$S \circ x \circ y \circ z \rightarrow (x \circ z) \circ (y \circ z)$$

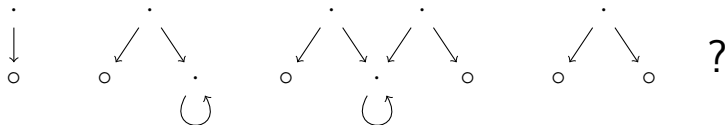
$$I \circ x \rightarrow x$$

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About

- decide UN^{\rightarrow} instead of CR
- practical interest: UN^{\rightarrow} corresponds to unique answers
- input format: TRS
- answers: YES(CR)/YES(NFP)/YES(UNC)/YES/NO/MAYBE



Problem selection

- 10 generated by FORT
- 12 generated with CSI
- 1 crafted
- 27 random Cops
- suggestions welcome!

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Thanks!