

## **Constraint Programming**

### Quiz #07 (n-ary constraints)

What is arity of a constraint?

Can any constraint be converted to a set of binary constraints?

Formulate the notion of a global constraint.

What is the relation between global constraints and generalized arc consistency?

How is a global constraint integrated to an (generalized) arc consistency framework?

Give some examples of global constraints together with their filtering procedures.

What is the relation between arc consistency and generalized arc consistency for binary CSPs?

If we use the hidden variable encoding of a CSP and make the problem arc consistent, do we get the same level of consistency as making the original CSP generalized arc consistent?