

## A LITTLE NOTE ON FORMALIZATION

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Most of you know my bias; here's a biased specification on formalization.

1. All objects must be labeled with attributes and the domain over which the attribute is defined. Object attributes instantiate/evaluate to a member of their domain.
2. All arcs, connections, or messages must be labeled with the object attributes that they relate. Relations evaluate to a Boolean value.
3. All functions (LISP calls) must convert instances of their arguments to single values within the domain of a specific object attribute. Functions evaluate to a member of the domain that the function is "to".
4. All rules must use only defined objects, relations, and functions. Rules evaluate to control behaviors.

If these specifications for knowledge engineering are met, then the control structure (and inference engine) can operate in security, without fear of getting lost.