History of RESOLVE – Late 80’s – early 90’s
Disciplined Use of
Commercial Programming Languages

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Modular reasoning

Local certifiability

Abstraction leak

Scalability
Question #1:
Can the items above be achieved using an off-the-shelf commercial programming language?
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Answer:
Yes – through disciplined use of the language
Examples: Resolve/Ada, Resolve/C++, Resolve/Java
Above the raw area border (below):
- is a disciplined use of the language
- modular reasoning is possible here
- Array, Nilpotent, Permutation, Record, etc., provide the basis for implementing a hierarchy of components and their client programs where modular reasoning is possible