

Problem: Resolution

For each reference in source code, we can determine the reference target

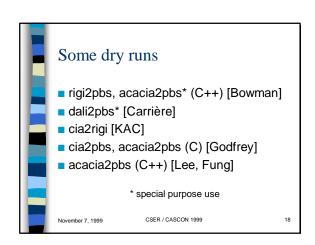
Several resolution strategies are used:

No resolution (each reference is an entity)

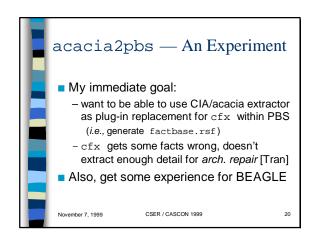
Resolved to declaration (in a header file)

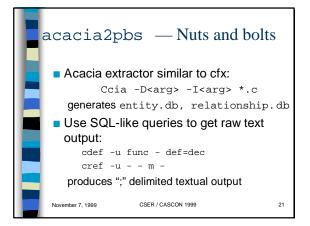
Resolved to static definition (entity body)

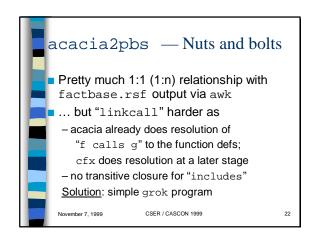
Resolved to dynamic definition (virtual functions, pointers)



System	Size (KLOC)	Language	Extractor
Jikes	77	C++	Acacia
Linux	800	С	Dali, cfx
Mozilla	904	С	Rigi
Nachos	10	C++	Acacia





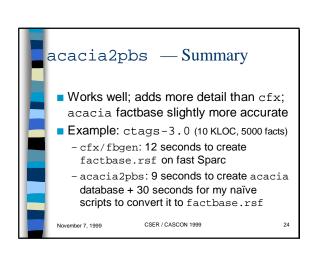


Unique IDs and fake polymorphism:

May be multiple function defs named "f"
How to disambiguate?
PBS just assumes it won't happen.

Acacia uses hashing to unique IDs, but not clear what it does on collisions.
I use "foo.c#f" as entity name, demangle at end of translation.

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CSER / CASCON 1999



## Volunteers? What real interest is there? It sounds like a good idea ... How / why will your group use a common exchange format? Lots of talk, some (mostly isolated) action... "Good enough" good enough? November 7, 1999 CSER / CASCON 1999 25