Subject: Add function result type, kind and rank to criteria for generic resolution
From: Van Snyder

Number

TBD

Title

Add function result type, kind and rank to criteria for generic resolution.

Submitted By

J3

Status

For consideration.

Basic Functionality

Add function result type, kind and rank to criteria for generic resolution.

Rationale

Expands the possibilities for generic functions and operations. Lays the groundwork to allow enumerators of different types to have the same names.

Estimated Impact

Minor — requires a few changes in a few paragraphs in Section 12.4.4.1.

Detailed Specification

I don't know how to do this but I know it's possible. It's done in Ada and Haskell. It's described in textbooks on functional programming, such as **Functional Programming** by A. J. Field and P. G. Harrison (Addison-Wesley 1988 ISBN 0-201-19249-7), where it's called "The W algorithm."

History