

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

1 **Number**

2 TBD

3 **Title**

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

5 **Submitted By**

6 J3

7 **Status**

8 For consideration.

9 **Basic Functionality**

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

11 **Rationale**

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

14 **Estimated Impact**

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

16 **Detailed Specification**

17 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 text-
18 books on functional programming, such as **Functional Programming** by A. J. Field and P. G. Harrison
19 (Addison-Wesley 1988 ISBN 0-201-19249-7), where it's called "The W algorithm."

20 **History**