

# Adverse $u :: v$ \_ \_ \_

The result of  $u :: v$  is that of  $u$ , provided that  $u$  completes without error; otherwise the result is the result of  $v$ .

For example:

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p=: 3 1 0 2          A permutation vector
x=: 'ABCD'
p{x
DBAC

]i=: A. p           Atomic index in ordered list of permutations
20

i A. x             Permutation by atomic representation
DBAC

q=: 3 1 1 0        Not a permutation
q{x
DBBA

A. q
|index error
| A.q

A=: A. :: (!@#)   Give index outside range in case of error
A p
20

A q
24

24 A. x
|index error
| 24 A.x

```