

Description

`designmatrix(v)` returns a $\text{rows}(v) \times \text{colmax}(v)$ matrix with ones in the indicated columns and zero everywhere else.

Syntax

real matrix `designmatrix(real colvector v)`

Remarks and examples

`designmatrix((1\2\3))` is equal to $I(3)$, the 3×3 identity matrix.

Conformability

`designmatrix(v)`:

v: $r \times 1$
result: $r \times \text{colmax}(v)$ (0×0 if $r = 0$)

Diagnostics

`designmatrix(v)` aborts with error if any element of v is < 1 .

Also see

[M-4] **Standard** — Functions to create standard matrices

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