
Subject: Re: how does it evaluate: $y * w \# A$ where:
Posted by [David Fanning](#) on Mon, 08 Sep 2003 14:36:49 GMT
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Hassan Iqbal writes:

- > Please help me to understand as to how it is being evaluated and what
- > do I get from this entire operation:
- >
- > $x = y * w \# A$
- >
- > where:
- >
- > y = an array of 'n' elements
- > w = an array of 'n' elements
- > A = a matrix of 'n' columns and 'm' rows
- >
- > which operation is performed first: $y*w$ or $w \# A$

What you want is some notion of operator precedence.
Try this:

IDL> ? operators

Find the "precedence" sub-topic.

You find that the $*$ operator has the third highest precedence, whereas the $\#$ operator has the fourth highest precedence. Thus, multiplication is done before matrix operations. If operators have the same order of precedence, then they are performed left to right across the expression.

Cheers,

David

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