

# $X*Y=X$ and $\text{sum}(X)=1$

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  - *Date:* 28 Nov 2005 13:16:31 -0800
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hello,

i would like to know what is the easiest way of solving the following system of equations:

$$X(1 \times n) * Y(n \times n) = X(1 \times n)$$

I know  $Y$  and i know that the sum of all the elements of the unknow vector  $X$  must add 1

thanks,  
olea

PS: ideas on how to solve this in MATLAB are also very welcome :-)

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- *Follow-Ups:*
  - ◆ [\*\*Re:  \$X\*Y=X\$  and  \$\text{sum}\(X\)=1\$\*\*](#)   
◇ *From:* Hélio CB
  - ◆ [\*\*Re:  \$X\*Y=X\$  and  \$\text{sum}\(X\)=1\$\*\*](#)   
◇ *From:* Roy Stogner
- Prev by Date: [\*\*Re: finite difference scheme\*\*](#)
- Next by Date: [\*\*Re: Haybaler problem... !?\*\*](#)
- Previous by thread: [\*\*Haybaler problem... !?\*\*](#)
- Next by thread: [\*\*Re:  \$X\*Y=X\$  and  \$\text{sum}\(X\)=1\$\*\*](#)
- Index(es):
  - ◆ [\*\*Date\*\*](#)
  - ◆ [\*\*Thread\*\*](#)