

i m trying to write a function named mateval that implements matrix algebra . I saw it on the book exexcise but i think i need a help coz i m very new on scheme

Example

$$(1 - 1/3) + \begin{bmatrix} 2 & -1/2 \\ 7/3 & 5 \end{bmatrix} * \begin{bmatrix} -8 & -1/2 & 3/25 \\ 7/3 & 1/5 & -9/23 \end{bmatrix} + \begin{bmatrix} 2 & 3 & -1 \\ 1/2 & 1/3 & -1 \end{bmatrix} = \begin{bmatrix} -85/9 & -34/15 & -408/575 \\ -25/6 & 2/9 & -3653/1725 \end{bmatrix}$$

```
> (mateval '(+ (* (- 1 (1 3))
                 ((2 (-1 2)) (7 3) 5))
              ((-8 (-1 2) (3 25)) (7 3) (1 5) (-9 23))))
((2 3 -1) ((1 2) (1 3) -1)))
```

the result

```
> (( (- 85 9) (34 15) (-408 575)) (( -25 6) (2 9) (-3653 1725)))
```

the first expression , (1 - 1/3) , is not matrix but constant and

(1 3) is representing 1/3
 (- 1 2) is representing -1/2 i mean this is the rational representing form

help me pls