

CSE 101 2-10-25

11

in changeEntry(M, i, j, x)

Entry E ;

! in same loop

$E = \text{get}(M \rightarrow \text{row}[i]);$

compare ! j to $E \rightarrow \text{col}$

Other functions:

- easy

copy()

transpose()

scalarMult()

- helper

dot prod. of 2 lists

- sum of 2 lists

- diff of 2 lists

- arithmetic ops

- Product()

- sum()

- diff()

dot(A, B)

3

A : (10, 2) (30, 1) (50, -1) (70, 3)

B : (20, 1) (40, 2) (50, -3) _____

$$\text{sum} = 0 + 3 = 3 \rightarrow 3$$

return

add(A, B)

A : (10, 2) (30, 1) (50, -1) (70, 3)

B : (20, 1) (40, 2) (50, -3) _____

C : (10, 2) (20, 1) (30, 1) (40, 2) (50, -4) (70, 3)

↖ to be returned