Sparse Motrix Add(a,b): = if the dimensions of a and b are the same return the matrix produced by adding corresponding items, namely those with identical row and column values. else return error Sparse Matrix Multiply (9,5):= if number of columns in a equals number of roces in b, return the matrix of produced by multiplying a by b according to the somule [d[i][i]= \(\int(a[i][K]\b[K][i])\)] where d(iii) is the (ivi)th element else return error. 2.5.2 Sparse Matrix Representation We know that we can characterize uniquely any element within a matrix by using the triple (row, col, value). We use an array of triples to represent a spanse. matrix Since we want our transpose operation to work efficiently, we should organize the triples so that the row indices are in ascending order. For all the triples in any row, the column indices should also be in ascending order. Spanse Matrix Create (maxRow, maxCol): = #define MAX_TERMS 101 /* maximum no. of terms+1*/ ato] row contains the number of rows; ato] cal typedef struct? contains the number of cals; a[o]. value contains the int coli total no. of nonzero entries. int row; int value; Sterm; term a [MAX_TERMS]; a[o]