1. Start
2. r1=sparse1[0][0], c1=sparse1[0][1], r2=sparse2[0][0], c2=sparse2[0][1]
3. if (r1!=r2 0r c1!=c2)
4. print matrix addition not possible
5. else
6. i=1, j=0, k=1, l=0, m=1, count3=0
7. while(i<=count1&&k<=count2)
8. if ( sparse1[i][j]==sparse2[k][l] && sparse1[i][ j+1]==sparse2[k][k+1] )
9. sum[m][0] = sparse1[i][ j ]
10. sum[m][0] = sparse1[i][ j+1 ]
11. sum[m][2] = sparse1[j][ j+2 ] + sparse2[k] [ l+2 ]
12. i++, k++, m++, scount3++
13. elseif ( sparse1[i][j]==sparse2[k][l] && sparse1[i][ j+1]<sparse2[k][ l+1 ] )
14. sum[m][0] = sparse1[i][ j ]
15. sum[m][1] = sparse1[i][ j+1 ]
16. sum[m][2] = sparse1[i][ j+2 ]
17. m++, i++, count3++
18. elseif ( sparse1[i][j]<sparse2[k][l] )
19. sum[m][0] = sparse1[i][ j ]
20. sum[m][1] = sparse1[i][ j+1 ]
21. sum[m][2] = sparse1[i][ j+2 ]
22. m++, i++, count3++
23. else
24. sum[m][0] = sparse2[k][ l ]
25. sum[m][1] = sparse1[k][ l+1 ]
26. sum[m][2] = sparse1[k][ l+2 ]
27. m++, k++, count3++
28. sum[0][0] = r1
29. sum[0][1] = c1
30. sum[0][2] = count3
31. print sum of sparse matrix
32. for m=0🡪count
33. for j=0🡪3
34. print sum[i][j]

Stop0