## SparseExtract\_2D +Src : char \* -SparseFre : complex<double>\* -RowBitSet : bitset<int> -ColBitSet : bitset<int> -RowMatrix: MatrixXcd -ColMatrix : MatrixXcd -RowMiddleFre : complex<double>\* \* -ColMiddleFre : complex<double>\* \* -FilterWindow : vector<double> +width: long +height: long +SparseExtract\_2D(width : long, height : long, src : char \*) +SparseExtract\_2D() -SampleInRow(sampleRows : int) : void -SampleInCol(sampleCols: int): void +InitMatrix(sampleRows: int, sampleCols: int) -RecoverHighRowFre(Index : long) -RecoverByRowIterFst(selectDeltaRow : double) -RecoverHighColFre(Index : long) -RecoverByColterFst(selectDeltaCol : double) -RecoverByRowMain() -RecoverByColMain() +Recover\_plan(sampleRows: int, sampleCols: int, selectDeltaCol: double, HighFreNums: int = 5, selectDeltaRow: double): void

+execute\_plan(sampleRows: int, sampleCols: int, HighFreNum: int, selectDeltaRow: double, selectDeltaCol: double): int