

## ALGORITHM

- Step-1 :- START
- Step-2 :- Create a class named as decimal.
- Step-3 :- Create a function named as dec\_con which takes an integer type array and two integer arguments and displays the decimal equivalent of the given number. In this function, first create a for loop (from 0 to row length of array) inside which create a variable named decNum and initialise it with 0. Inside the running for loop, start another for loop (from 0 to column length of array) and then store the sum value of the the array indexes at [i][j] raised to the power (8,n-j-i) in the variable decNum, in this loop print the array element at [i][j]. After the inner for loop ends, print the value of decNum.
- Step-4 :- Create a function named as main and call the method dec\_con and pass the array and the number of rows and columns as arguments after taking the input of number of rows and columns and the array from the user.
- Step-5 :- END

## VD TABLE

Sr. No.	Variable	Data Type	Description
1	i	int	To store the value of the loop variable
2	j	int	To store the value of the loop variable
3	m	int	To store the number of rows
4	n	int	To store the number of columns
5	decNum	int	To store the sum of decimal equivalent of the array indexes
6	a	int	To store the array elements

## OUTPUT

```
BlueJ: Terminal Window - basic
Options
Enter the number of rows (M): 3
Enter the number of columns (N): 4
ENTER ELEMENTS FOR ROW 1:
1 1 3 7
ENTER ELEMENTS FOR ROW 2:
2 1 0 6
ENTER ELEMENTS FOR ROW 3:
0 2 4 5
FILLED MATRIX    DECIMAL EQUIVALENT
1 1 3 7          607
2 1 0 6          1094
0 2 4 5          165
```