ALGORITHM

- Step-1 :- START
- Step-2 :- Create a class named as `Shift`.
- Step-3 :- Declare variables - `mat[ ][ ]` to stores the array elements, `m` to store the number of rows and `n` to store the number of columns.
- Step-4 :- Create a constructor named as `Shift` with two integer type intergers, to initialize the variables to initialize the data.
- Step-5 :- Create a method named as `input` to input the elements of the array.
- Step-6 :- Create a method named as `cyclic` to enable the matrix of the `object(P)` to shift each row upwards in a cyclic manner and store the resultant matrix in the current object.
- Step-7 :- Create a method named as `display` to display the elements of the array.
- Step-8 :- Create a method named as `main` to create an object of the class `Shift` and call the methods.
- Step-9 :- END

VD TABLE

Sr. No.	Variable	Data Type	Description
1	mat[ ][ ]	int	To store the array elements
2	m	int	To store the number of rows
3	n	int	To store the number of columns
4	i	int	To store the row number
5	j	int	To store the column number
6	mm	int	To store the number of rows inside the constructor - `Shift`
7	nn	int	To store the number of columns inside the constructor - `Shift`

OUTPUT