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G-section.

Algorithm:-

1) Start

2) Read rows and cols

3) for i=0 to rows-1 and
   j=0 to cols-1
      read a[i][j]

4) for i=0 to rows-1.
      sum-row=0
   for j=0 to cols-1
      - sum-rows = sum-row + a[i][j]
      Print i+1 and sum-row.

5) for i=0 to cols-1
      sum-cols = 0
   for j=0 to rows-1
      sum-cols = sum-cols + a[i][j]
      print i+1 and sum-cols.

6) stop.

Flowchart.

```
                    ┌─────────┐
                    │  START  │
                    └─────────┘
                         │
                         ▼
              /  Read rows & cols  /
                         │
                         ▼
        ◇ for (i=0 ; i< rows; i++ ◇ ──── false
                         │ True
                         ▼
        ◇ for (j=0 ; j< cols ; j++ ◇     false
                         │ True
                         ▼
              / Read a [i][j] /  ──→
                         │
                         ▼
        ◇ for (i=0; i<rows;  i++ ◇ ──── false
                         │ True
                         ▼
              ┌─────────────────┐
              │  sum_row = 0    │
              └─────────────────┘
                         │ True
                         ▼
        ◇ for (j=0 ; j < cols ; j++ ◇    false
                         │ True
                         ▼
       ┌──────────────────────────────┐
       │ sum_row = sum_row + a[i][j]   │
       └──────────────────────────────┘
                         │
                         ▼
          / Print i+1 and sum_row /
                         │
                         ▼
        ◇ for (i=0; i< cols;  i++ ◇
                         │ True
                         ▼
              ┌─────────────────┐
              │  sum_cols = 0   │
              └─────────────────┘
                         │
                         ▼
        ◇ for (j=0; j< rows; j++ ◇
                         │ True
                         ▼
       ┌──────────────────────────────┐
       │ sum_cols = sum_cols + a[i][j] │
       └──────────────────────────────┘
                         │
                         ▼
          / Print i+1 and sumcol /  ──→
                         │
                         ▼
                    ┌─────────┐
                    │  STOP   │
                    └─────────┘
```