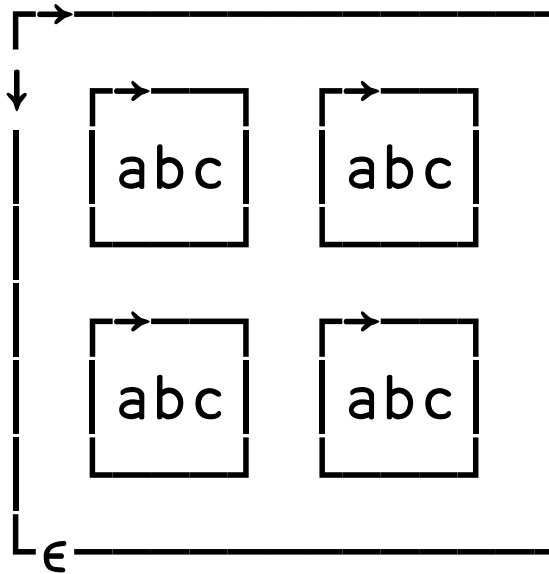# Task 1

1.)CLEAR to clear your workspace

2.)SAVE your workspace with a workspace ID like **tasks7_your_name.dws**

Task 2

Write a function `Square` which takes a text and creates a 2-row 2-column matrix where every element is the given text:
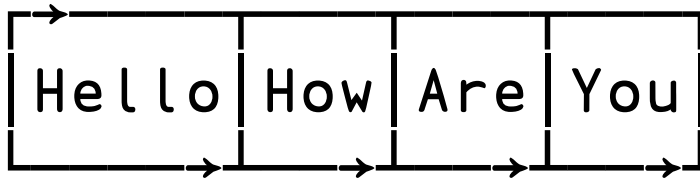
```
]display Square 'abc'
```

Task 3

Write a function `Backwards` which takes a vector of vectors and both the overall vector and its elements:
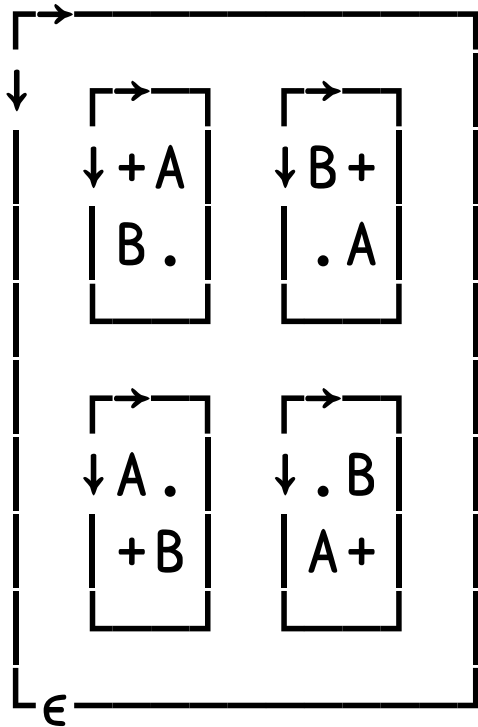
```
      ]disp Backwards 'uoY' 'erA' 'woH' 'olleH'
```

Task 4

Write a function `Corners` which takes a matrix and returns a 2-by-2 matrix of the 4 rotations of the given matrix:

```
Corners 2 2ρ'+AB.'
```

Task 5

Create the following variable:

```
]disp table
```

Air	Boat	Car
1	2	3
4	5	6
7	8	9

Task 6

Write a function `From` which takes a character vector left argument and matrix right argument. It must return the first column of the matrix where the top element of that column matches the left argument vector, but without the heading:

```
      'Boat' From table
2 5 8
      'Car' From table
3 6 9
```

Task 8

Write a function `RotationOf` which takes two vectors and determines if they are rotations of each other:

```
      'carrace' RotationOf 'racecar'
1
      'teapot' RotationOf 'topeat'
0
```

Task 8

Write a function `Squash` which takes a character vector and squashes all sequences of multiple spaces into a single space each:

```
      Squash 'Too    many      spaces'
Too many spaces
      ]display Squash ' Just enough spaces '
┌→─────────────────┐
│ Just enough spaces │
└───────────────────┘
```

Submit Your Workspace

Save your workspace, with a name like:
tasks7_your_name.dws

Email to workshops@dyalog.com with a subject like:
Tasks 7 Your Name