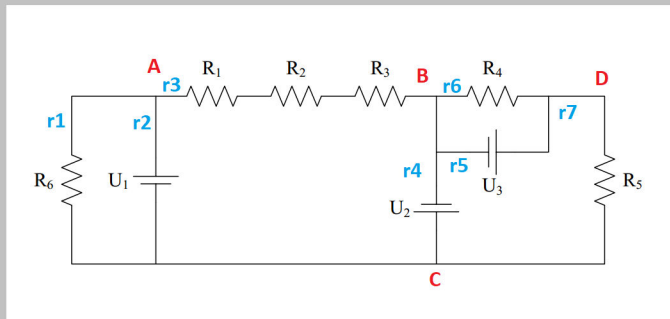


## Legenda

- Ordem 2
- Ordem 3
- Ordem 4

## Circuito Original



## Output Meshes-Finder

```
> mesh-finder@0.1 example C:\Users\lcar\Documents\GitHub\meshes-finder
> node examples\exercis04.js

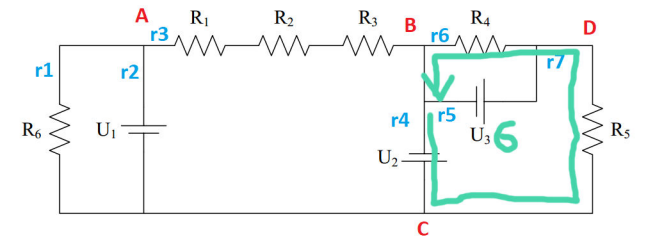
(index) 0 1 2 3
0 0 1 1 0
1 1 0 1 1
2 1 1 0 1
3 0 1 1 0

(index) 0 1 2 3 4 5 6
0 1 1 1 0 0 0
1 0 0 1 1 1 1
2 1 1 0 1 0 1
3 0 0 0 0 1 1

"V = 4 | E = 7"
"Graph type: sparse"

SCRIPT STARTED...

Meshes-finder finished the job...
Search Results:
Order 2: 2
Order 3: 4
Order 4: 4
Found 10 Meshes in the circuit.
meshes-finder-duration: 17.028ms
Press any key to exit
- C:\Users\lcar\Documents\GitHub\meshes-finder [win + ctrl + c] | 1
```



```

{
  "order": [
    [],
    [],
    [
      [
        {
          "Branch": "r1",
          "ParentNode": "A",
          "ChildNode": "C"
        },
        {
          "Branch": "r2",
          "ParentNode": "C",
          "ChildNode": "A"
        }
      ],
      [
        {
          "Branch": "r5",
          "ParentNode": "B",
          "ChildNode": "D"
        },
        {
          "Branch": "r6",
          "ParentNode": "D",
          "ChildNode": "B"
        }
      ]
    ],
    [
      [
        {
          "Branch": "r3",
          "ParentNode": "A",
          "ChildNode": "B"
        },
        {
          "Branch": "r4",
          "ParentNode": "B",
          "ChildNode": "C"
        }
      ],
      [
        {
          "Branch": "r1",
          "ParentNode": "C",
          "ChildNode": "A"
        }
      ],
      [
        {
          "Branch": "r3",
          "ParentNode": "A",
          "ChildNode": "B"
        },
        {
          "Branch": "r4",
          "ParentNode": "B",
          "ChildNode": "C"
        }
      ],
      [
        {
          "Branch": "r2",
          "ParentNode": "C",
          "ChildNode": "A"
        }
      ],
      [
        {
          "Branch": "r4",
          "ParentNode": "B",
          "ChildNode": "C"
        }
      ]
    ]
  ]
}

```

```
    "Branch": "r7",
    "ParentNode": "C",
    "ChildNode": "D"
  },
  {
    "Branch": "r5",
    "ParentNode": "D",
    "ChildNode": "B"
  }
],
[
  {
    "Branch": "r4",
    "ParentNode": "B",
    "ChildNode": "C"
  },
  {
    "Branch": "r7",
    "ParentNode": "C",
    "ChildNode": "D"
  },
  {
    "Branch": "r6",
    "ParentNode": "D",
    "ChildNode": "B"
  }
],
[
  [
    {
      "Branch": "r3",
      "ParentNode": "A",
      "ChildNode": "B"
    },
    {
      "Branch": "r5",
      "ParentNode": "B",
      "ChildNode": "D"
    },
    {
      "Branch": "r7",
      "ParentNode": "D",
      "ChildNode": "C"
    },
    {
      "Branch": "r1",
      "ParentNode": "C",
      "ChildNode": "A"
    }
  ],
  [
    {
      "Branch": "r3",
      "ParentNode": "A",
      "ChildNode": "B"
    },
    {
      "Branch": "r6",
      "ParentNode": "B",
      "ChildNode": "D"
    },
    {
      "Branch": "r7",
      "ParentNode": "D",
      "ChildNode": "C"
    },
    {
      "Branch": "r1",
      "ParentNode": "C",
      "ChildNode": "A"
    }
  ],
  [
```

```
{
  {
    "Branch": "r3",
    "ParentNode": "A",
    "ChildNode": "B"
  },
  {
    "Branch": "r5",
    "ParentNode": "B",
    "ChildNode": "D"
  },
  {
    "Branch": "r7",
    "ParentNode": "D",
    "ChildNode": "C"
  },
  {
    "Branch": "r2",
    "ParentNode": "C",
    "ChildNode": "A"
  }
],
[
  {
    "Branch": "r3",
    "ParentNode": "A",
    "ChildNode": "B"
  },
  {
    "Branch": "r6",
    "ParentNode": "B",
    "ChildNode": "D"
  },
  {
    "Branch": "r7",
    "ParentNode": "D",
    "ChildNode": "C"
  },
  {
    "Branch": "r2",
    "ParentNode": "C",
    "ChildNode": "A"
  }
]
],
"info": {
  "count": [
    0,
    0,
    2,
    4,
    4
  ],
  "total": 10,
  "ordermax": 4
}
}
```