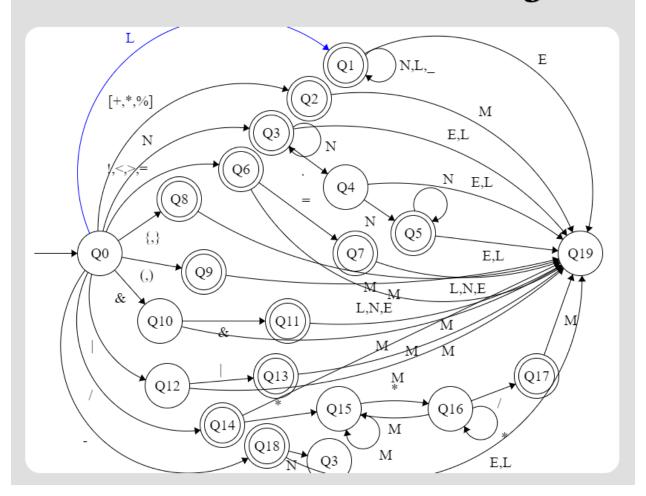# Finite State Machine Designer

M = TODO

E = CARACTERES QUE NO SON L NI N

N = 0-9

L = A-Z

```xml
<?xml version="1.0" standalone="no"?>

<!DOCTYPE svg PUBLIC "-//W3C//DTD SVG 1.1//EN"
"https://www.w3.org/Graphics/SVG/1.1/DTD/svg11.dtd">


<svg width="800" height="600" version="1.1" xmlns="http://www.w3.org/2000/svg">

        <ellipse stroke="black" stroke-width="1" fill="none" cx="100.5" cy="304.5" rx="30" ry="30"/>

        <text x="88.5" y="310.5" font-family="Times New Roman" font-size="20">Q0</text>

        <ellipse stroke="black" stroke-width="1" fill="none" cx="431.5" cy="51.5" rx="30" ry="30"/>

        <text x="419.5" y="57.5" font-family="Times New Roman" font-size="20">Q1</text>

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        <ellipse stroke="black" stroke-width="1" fill="none" cx="331.5" cy="142.5" rx="30" ry="30"/>

        <text x="319.5" y="148.5" font-family="Times New Roman" font-size="20">Q3</text>

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        <ellipse stroke="black" stroke-width="1" fill="none" cx="382.5" cy="96.5" rx="30" ry="30"/>

        <text x="370.5" y="102.5" font-family="Times New Roman" font-size="20">Q2</text>

        <ellipse stroke="black" stroke-width="1" fill="none" cx="382.5" cy="96.5" rx="24" ry="24"/>

        <ellipse stroke="black" stroke-width="1" fill="none" cx="431.5" cy="215.5" rx="30" ry="30"/>

        <text x="419.5" y="221.5" font-family="Times New Roman" font-size="20">Q4</text>

        <ellipse stroke="black" stroke-width="1" fill="none" cx="290.5" cy="191.5" rx="30" ry="30"/>

        <text x="278.5" y="197.5" font-family="Times New Roman" font-size="20">Q6</text>

        <ellipse stroke="black" stroke-width="1" fill="none" cx="290.5" cy="191.5" rx="24" ry="24"/>

        <ellipse stroke="black" stroke-width="1" fill="none" cx="444.5" cy="304.5" rx="30" ry="30"/>

        <text x="432.5" y="310.5" font-family="Times New Roman" font-size="20">Q7</text>

        <ellipse stroke="black" stroke-width="1" fill="none" cx="444.5" cy="304.5" rx="24" ry="24"/>

        <ellipse stroke="black" stroke-width="1" fill="none" cx="207.5" cy="231.5" rx="30" ry="30"/>

        <text x="195.5" y="237.5" font-family="Times New Roman" font-size="20">Q8</text>

        <ellipse stroke="black" stroke-width="1" fill="none" cx="207.5" cy="231.5" rx="24" ry="24"/>
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<ellipse stroke="black" stroke-width="1" fill="none" cx="181.5" cy="395.5" rx="30" ry="30"/>
<text x="164.5" y="401.5" font-family="Times New Roman" font-size="20">Q10</text>
<ellipse stroke="black" stroke-width="1" fill="none" cx="191.5" cy="482.5" rx="30" ry="30"/>
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<ellipse stroke="black" stroke-width="1" fill="none" cx="265.5" cy="535.5" rx="30" ry="30"/>
<text x="248.5" y="541.5" font-family="Times New Roman" font-size="20">Q14</text>
<ellipse stroke="black" stroke-width="1" fill="none" cx="265.5" cy="535.5" rx="24" ry="24"/>
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<text x="510.5" y="283.5" font-family="Times New Roman" font-size="20">Q5</text>
<ellipse stroke="black" stroke-width="1" fill="none" cx="522.5" cy="277.5" rx="24" ry="24"/>
<ellipse stroke="black" stroke-width="1" fill="none" cx="747.5" cy="304.5" rx="30" ry="30"/>
<text x="730.5" y="310.5" font-family="Times New Roman" font-size="20">Q19</text>
<ellipse stroke="black" stroke-width="1" fill="none" cx="325.5" cy="563.5" rx="30" ry="30"/>
<text x="308.5" y="569.5" font-family="Times New Roman" font-size="20">Q18</text>
<ellipse stroke="black" stroke-width="1" fill="none" cx="325.5" cy="563.5" rx="24" ry="24"/>
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<text x="228.5" y="335.5" font-family="Times New Roman" font-size="20">Q9</text>
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<text x="336.5" y="401.5" font-family="Times New Roman" font-size="20">Q11</text>
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<ellipse stroke="black" stroke-width="1" fill="none" cx="337.5" cy="469.5" rx="30" ry="30"/>
<text x="320.5" y="475.5" font-family="Times New Roman" font-size="20">Q13</text>
<ellipse stroke="black" stroke-width="1" fill="none" cx="337.5" cy="469.5" rx="24" ry="24"/>
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<text x="405.5" y="519.5" font-family="Times New Roman" font-size="20">Q15</text>
<ellipse stroke="black" stroke-width="1" fill="none" cx="572.5" cy="513.5" rx="30" ry="30"/>
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```svg
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<text x="671.5" y="475.5" font-family="Times New Roman" font-size="20">Q17</text>

<ellipse stroke="black" stroke-width="1" fill="none" cx="688.5" cy="469.5" rx="24" ry="24"/>

<ellipse stroke="black" stroke-width="1" fill="none" cx="409.5" cy="583.5" rx="30" ry="30"/>

<text x="397.5" y="589.5" font-family="Times New Roman" font-size="20">Q3</text>

<polygon stroke="black" stroke-width="1" points="12.5,304.5 70.5,304.5"/>

<polygon fill="black" stroke-width="1" points="70.5,304.5 62.5,299.5 62.5,309.5"/>

<polygon stroke="black" stroke-width="1" points="130.033,309.774 210.967,324.226"/>

<polygon fill="black" stroke-width="1" points="210.967,324.226 203.971,317.898 202.213,327.742"/>

<text x="154.5" y="339.5" font-family="Times New Roman" font-size="20">(,)</text>

<polygon stroke="black" stroke-width="1" points="125.282,287.593 182.718,248.407"/>

<polygon fill="black" stroke-width="1" points="182.718,248.407 173.292,248.786 178.927,257.046"/>

<text x="159.5" y="288.5" font-family="Times New Roman" font-size="20">{,}</text>

<path stroke="black" stroke-width="1" fill="none" d="M 104.811,274.846 A 180.38,180.38 0 0 1 302.151,136.452"/>

<polygon fill="black" stroke-width="1" points="302.151,136.452 294.808,130.529 293.61,140.457"/>

<text x="157.5" y="158.5" font-family="Times New Roman" font-size="20">N</text>

<path stroke="black" stroke-width="1" fill="none" d="M 86.926,277.775 A 209.6,209.6 0 0 1 409.275,31.388"/>

<polygon fill="black" stroke-width="1" points="409.275,31.388 406.056,22.52 399.893,30.396"/>

<path stroke="black" stroke-width="1" fill="none" d="M 97.999,274.633 A 197.105,197.105 0 0 1 354.704,85.291"/>

<polygon fill="black" stroke-width="1" points="354.704,85.291 348.591,78.106 345.567,87.638"/>

<text x="111.5" y="105.5" font-family="Times New Roman" font-size="20">[+,*,%]</text>

<path stroke="black" stroke-width="1" fill="none" d="M 108.973,275.776 A 147.215,147.215 0 0 1 261.215,185.232"/>

<polygon fill="black" stroke-width="1" points="261.215,185.232 253.806,179.391 252.719,189.332"/>
```

```
<text x="109.5" y="196.5" font-family="Times New Roman" font-size="20">>!,&lt;,&gt;,=</text>

<polygon stroke="black" stroke-width="1" points="120.446,326.909 161.554,373.091"/>

<polygon fill="black" stroke-width="1" points="161.554,373.091 159.97,363.791 152.5,370.44"/>

<text x="120.5" y="370.5" font-family="Times New Roman" font-size="20">&amp;</text>

<path stroke="black" stroke-width="1" fill="none" d="M 162.576,474.83 A 121.84,121.84 0 0 1 89.78,332.438"/>

<polygon fill="black" stroke-width="1" points="162.576,474.83 157.019,467.206 153.288,476.484"/>

<text x="88.5" y="434.5" font-family="Times New Roman" font-size="20">|</text>

<path stroke="black" stroke-width="1" fill="none" d="M 236.327,542.272 A 148.164,148.164 0 0 1 84.632,329.9"/>

<polygon fill="black" stroke-width="1" points="236.327,542.272 227.759,538.325 229.024,548.244"/>

<text x="85.5" y="501.5" font-family="Times New Roman" font-size="20">/</text>

<path stroke="black" stroke-width="1" fill="none" d="M 300.396,579.856 A 171.76,171.76 0 0 1 80.795,327.071"/>

<polygon fill="black" stroke-width="1" points="300.396,579.856 290.984,579.21 295.692,588.033"/>

<text x="77.5" y="561.5" font-family="Times New Roman" font-size="20">-</text>

<path stroke="black" stroke-width="1" fill="none" d="M 458.297,38.275 A 22.5,22.5 0 1 1 458.297,64.725"/>

<text x="504.5" y="57.5" font-family="Times New Roman" font-size="20">N,L,_</text>

<polygon fill="black" stroke-width="1" points="458.297,64.725 461.83,73.473 467.708,65.382"/>

<polygon stroke="black" stroke-width="1" points="211.5,395.5 323.5,395.5"/>

<polygon fill="black" stroke-width="1" points="323.5,395.5 315.5,390.5 315.5,400.5"/>

<text x="259.5" y="416.5" font-family="Times New Roman" font-size="20">&amp;</text>

<polygon stroke="black" stroke-width="1" points="221.382,479.839 307.618,472.161"/>

<polygon fill="black" stroke-width="1" points="307.618,472.161 299.206,467.89 300.093,477.851"/>

<text x="261.5" y="466.5" font-family="Times New Roman" font-size="20">|</text>

<path stroke="black" stroke-width="1" fill="none" d="M 457.063,35.847 A 210.297,210.297 0 0 1 757.182,276.132"/>
```

```svg
<polygon fill="black" stroke-width="1"  points="757.182,276.132 764.055,269.67 754.385,267.122"/>

<text x="690.5" y="49.5" font-family="Times New Roman" font-size="20">E</text>

<path stroke="black" stroke-width="1"  fill="none" d="M 411.983,91.02 A 308.015,308.015 0 0 1 737.186,276.341"/>

<polygon fill="black" stroke-width="1"  points="737.186,276.341 738.678,267.026 729.467,270.918"/>

<text x="610.5" y="119.5" font-family="Times New Roman" font-size="20">M</text>

<path stroke="black" stroke-width="1"  fill="none" d="M 360.473,135.183 A 22.5,22.5 0 1 1 354.931,161.046"/>

<text x="404.5" y="166.5" font-family="Times New Roman" font-size="20">N</text>

<polygon fill="black" stroke-width="1"  points="354.931,161.046 356.553,170.34 363.996,163.661"/>

<polygon stroke="black" stroke-width="1"  points="355.731,160.188 407.269,197.812"/>

<polygon fill="black" stroke-width="1"  points="407.269,197.812 403.756,189.056 397.86,197.133"/>

<text x="371.5" y="199.5" font-family="Times New Roman" font-size="20">.</text>

<polygon stroke="black" stroke-width="1"  points="456.293,232.392 497.707,260.608"/>

<polygon fill="black" stroke-width="1"  points="497.707,260.608 493.911,251.972 488.281,260.236"/>

<text x="457.5" y="267.5" font-family="Times New Roman" font-size="20">N</text>

<path stroke="black" stroke-width="1"  fill="none" d="M 524.947,247.717 A 22.5,22.5 0 1 1 547.627,261.326"/>

<text x="562.5" y="210.5" font-family="Times New Roman" font-size="20">N</text>

<polygon fill="black" stroke-width="1"  points="547.627,261.326 556.946,262.797 553.033,253.594"/>

<path stroke="black" stroke-width="1"  fill="none" d="M 361.006,137.117 A 401.721,401.721 0 0 1 729.405,280.58"/>

<polygon fill="black" stroke-width="1"  points="729.405,280.58 728.216,271.222 720.472,277.548"/>

<text x="568.5" y="150.5" font-family="Times New Roman" font-size="20">E,L</text>

<polygon stroke="black" stroke-width="1"  points="552.286,281.074 717.714,300.926"/>
```

```
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709.175,304.937"/>

    <text x="615.5" y="313.5" font-family="Times New Roman" font-size="20">E,L</text>

    <path stroke="black" stroke-width="1" fill="none" d="M 461.237,211.594 A 381.783,381.783 0 0 1
724.173,285.649"/>

    <polygon fill="black" stroke-width="1" points="724.173,285.649 720.745,276.859
714.77,284.878"/>

    <text x="600.5" y="214.5" font-family="Times New Roman" font-size="20">E,L</text>

    <polygon stroke="black" stroke-width="1" points="314.687,209.248 420.313,286.752"/>

    <polygon fill="black" stroke-width="1" points="420.313,286.752 416.821,277.988
410.905,286.051"/>

    <text x="372.5" y="239.5" font-family="Times New Roman" font-size="20">=</text>

    <path stroke="black" stroke-width="1" fill="none" d="M 723.162,322.018 A 296.566,296.566 0 0 1
303.87,218.342"/>

    <polygon fill="black" stroke-width="1" points="723.162,322.018 713.729,322.157
719.153,330.558"/>

    <text x="445.5" y="383.5" font-family="Times New Roman" font-size="20">L,N,E</text>

    <path stroke="black" stroke-width="1" fill="none" d="M 719.659,315.653 A 370.258,370.258 0 0 1
472.341,315.653"/>

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713.789,323.038"/>

    <text x="571.5" y="357.5" font-family="Times New Roman" font-size="20">L,N,E</text>

    <path stroke="black" stroke-width="1" fill="none" d="M 718.957,313.724 A 599.267,599.267 0 0 1
232.57,247.972"/>

    <polygon fill="black" stroke-width="1" points="718.957,313.724 709.867,311.198
712.703,320.788"/>

    <text x="455.5" y="355.5" font-family="Times New Roman" font-size="20">M</text>

    <path stroke="black" stroke-width="1" fill="none" d="M 718.434,311.926 A 1198.499,1198.499 0 0
1 270.155,334.031"/>

    <polygon fill="black" stroke-width="1" points="718.434,311.926 709.482,308.95
711.836,318.669"/>

    <text x="487.5" y="365.5" font-family="Times New Roman" font-size="20">M</text>
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```
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717.497,328.5"/>

<text x="558.5" y="406.5" font-family="Times New Roman" font-size="20">M</text>

<path stroke="black" stroke-width="1"  fill="none" d="M 722.281,320.744 A 680.398,680.398 0 0 1
210.54,403.02"/>

<polygon fill="black" stroke-width="1"  points="722.281,320.744 712.847,320.664
718.076,329.188"/>

<text x="471.5" y="434.5" font-family="Times New Roman" font-size="20">M</text>

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720.98,332.282"/>

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<path stroke="black" stroke-width="1"  fill="none" d="M 725.191,324.554 A 678.821,678.821 0 0 1
221.308,485.87"/>

<polygon fill="black" stroke-width="1"  points="725.191,324.554 715.866,325.979
722.385,333.561"/>

<text x="492.5" y="477.5" font-family="Times New Roman" font-size="20">M</text>

<polygon stroke="black" stroke-width="1"  points="292.554,522.534 720.446,317.466"/>

<polygon fill="black" stroke-width="1"  points="720.446,317.466 711.071,316.414
715.393,325.432"/>

<text x="511.5" y="441.5" font-family="Times New Roman" font-size="20">M</text>

<polygon stroke="black" stroke-width="1"  points="295.21,531.337 392.79,517.663"/>

<polygon fill="black" stroke-width="1"  points="392.79,517.663 384.174,513.822
385.562,523.725"/>

<text x="335.5" y="514.5" font-family="Times New Roman" font-size="20">*</text>

<path stroke="black" stroke-width="1"  fill="none" d="M 451.698,506.681 A 266.02,266.02 0 0 1
543.302,506.681"/>

<polygon fill="black" stroke-width="1"  points="543.302,506.681 536.282,500.378
534.56,510.229"/>

<text x="492.5" y="493.5" font-family="Times New Roman" font-size="20">*</text>
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```
<path stroke="black" stroke-width="1" fill="none" d="M 602.378,512.944 A 22.5,22.5 0 1 1
591.115,536.877"/>

<text x="640.5" y="558.5" font-family="Times New Roman" font-size="20">*</text>

<polygon fill="black" stroke-width="1" points="591.115,536.877 590.588,546.296
599.351,541.478"/>

<polygon stroke="black" stroke-width="1" points="600.55,502.86 660.45,480.14"/>

<polygon fill="black" stroke-width="1" points="660.45,480.14 651.197,478.302
654.743,487.652"/>

<text x="635.5" y="512.5" font-family="Times New Roman" font-size="20">/</text>

<path stroke="black" stroke-width="1" fill="none" d="M 450.928,522.71 A 22.5,22.5 0 1 1
432.481,541.667"/>

<text x="476.5" y="581.5" font-family="Times New Roman" font-size="20">M</text>

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438.768,548.701"/>

<path stroke="black" stroke-width="1" fill="none" d="M 543.55,521.288 A 233.479,233.479 0 0 1
451.45,521.288"/>

<polygon fill="black" stroke-width="1" points="451.45,521.288 458.307,527.767
460.279,517.964"/>

<text x="488.5" y="546.5" font-family="Times New Roman" font-size="20">M</text>

<polygon stroke="black" stroke-width="1" points="698.601,441.252 737.399,332.748"/>

<polygon fill="black" stroke-width="1" points="737.399,332.748 729.997,338.598
739.414,341.965"/>

<text x="725.5" y="400.5" font-family="Times New Roman" font-size="20">M</text>

<path stroke="black" stroke-width="1" fill="none" d="M 749.651,334.407 A 271.553,271.553 0 0 1
351.192,578.959"/>

<polygon fill="black" stroke-width="1" points="749.651,334.407 744.784,342.489
754.783,342.324"/>

<text x="625.5" y="591.5" font-family="Times New Roman" font-size="20">E,L</text>

<polygon stroke="black" stroke-width="1" points="354.684,570.449 380.316,576.551"/>

<polygon fill="black" stroke-width="1" points="380.316,576.551 373.691,569.834
371.375,579.562"/>

<text x="351.5" y="595.5" font-family="Times New Roman" font-size="20">N</text>
```

```
</svg>
```