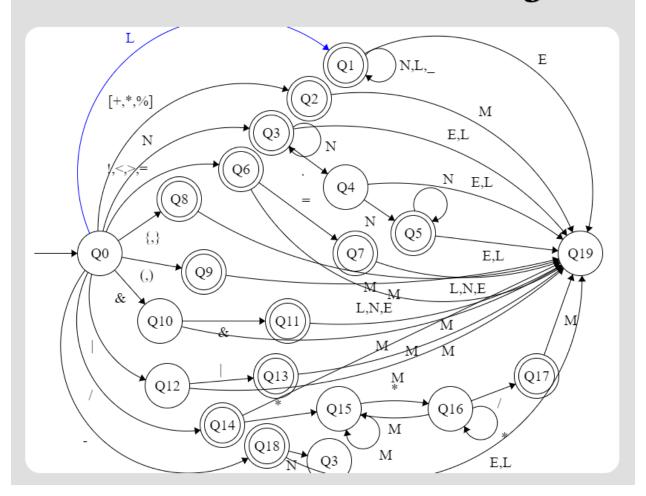
Finite State Machine Designer



M = TODO

E = CARACTERES QUE NO SON L NI N

N = 0-9

L = A-Z

<?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> <ellipse stroke="black" stroke-width="1" fill="none" cx="431.5" cy="51.5" rx="24" ry="24"/> <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> <ellipse stroke="black" stroke-width="1" fill="none" cx="331.5" cy="142.5" rx="24" ry="24"/> <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"/>

```
<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"/>
<text x="174.5" y="488.5" font-family="Times New Roman" font-size="20">Q12</text>
<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"/>
<ellipse stroke="black" stroke-width="1" fill="none" cx="522.5" cy="277.5" rx="30" ry="30"/>
<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"/>
<ellipse stroke="black" stroke-width="1" fill="none" cx="240.5" cy="329.5" rx="30" ry="30"/>
<text x="228.5" y="335.5" font-family="Times New Roman" font-size="20">Q9</text>
<ellipse stroke="black" stroke-width="1" fill="none" cx="240.5" cy="329.5" rx="24" ry="24"/>
<ellipse stroke="black" stroke-width="1" fill="none" cx="353.5" cy="395.5" rx="30" ry="30"/>
<text x="336.5" y="401.5" font-family="Times New Roman" font-size="20">Q11</text>
<ellipse stroke="black" stroke-width="1" fill="none" cx="353.5" cy="395.5" rx="24" ry="24"/>
<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"/>
<ellipse stroke="black" stroke-width="1" fill="none" cx="422.5" cy="513.5" rx="30" ry="30"/>
<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"/>
<text x="555.5" y="519.5" font-family="Times New Roman" font-size="20">Q16</text>
```

```
<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</pre>
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</pre>
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</pre>
302.151,136.452"/>
        <polygon fill="black" stroke-width="1" points="302.151,136.452 294.808,130.529</pre>
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</pre>
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</pre>
354.704,85.291"/>
        <polygon fill="black" stroke-width="1" points="354.704,85.291 348.591,78.106</pre>
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</pre>
261.215,185.232"/>
        <polygon fill="black" stroke-width="1" points="261.215,185.232 253.806,179.391</pre>
252.719,189.332"/>
```

<ellipse stroke="black" stroke-width="1" fill="none" cx="688.5" cy="469.5" rx="30" ry="30"/>

```
<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</pre>
89.78,332.438"/>
        <polygon fill="black" stroke-width="1" points="162.576,474.83 157.019,467.206</pre>
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</pre>
84.632,329.9"/>
        <polygon fill="black" stroke-width="1" points="236.327,542.272 227.759,538.325</pre>
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</pre>
80.795,327.071"/>
        <polygon fill="black" stroke-width="1" points="300.396,579.856 290.984,579.21</pre>
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</pre>
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</pre>
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</pre>
757.182,276.132"/>
```

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

```
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</pre>
737.186,276.341"/>
        <polygon fill="black" stroke-width="1" points="737.186,276.341 738.678,267.026</pre>
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</pre>
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</pre>
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</pre>
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</pre>
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</pre>
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</pre>
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</pre>
729.405,280.58"/>
        <polygon fill="black" stroke-width="1" points="729.405,280.58 728.216,271.222</pre>
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"/>
```

<polygon fill="black" stroke-width="1" points="757.182,276.132 764.055,269.67</pre>

```
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</pre>
724.173,285.649"/>
        <polygon fill="black" stroke-width="1" points="724.173,285.649 720.745,276.859</pre>
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</pre>
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</pre>
303.87,218.342"/>
        <polygon fill="black" stroke-width="1" points="723.162,322.018 713.729,322.157</pre>
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</pre>
472.341,315.653"/>
        <polygon fill="black" stroke-width="1" points="719.659,315.653 710.449,313.612</pre>
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</pre>
232.57,247.972"/>
        <polygon fill="black" stroke-width="1" points="718.957,313.724 709.867,311.198</pre>
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</pre>
1 270.155,334.031"/>
        <polygon fill="black" stroke-width="1" points="718.434,311.926 709.482,308.95</pre>
711.836,318.669"/>
        <text x="487.5" y="365.5" font-family="Times New Roman" font-size="20">M</text>
```

<polygon fill="black" stroke-width="1" points="717.714,300.926 710.366,295.008</pre>

```
<path stroke="black" stroke-width="1" fill="none" d="M 721.92,320.167 A 593.143,593.143 0 0 1</pre>
383.36.398.362"/>
        <polygon fill="black" stroke-width="1" points="721.92,320.167 712.491,319.843</pre>
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</pre>
210.54,403.02"/>
        <polygon fill="black" stroke-width="1" points="722.281,320.744 712.847,320.664</pre>
718.076,329.188"/>
        <text x="471.5" y="434.5" font-family="Times New Roman" font-size="20">M</text>
        <path stroke="black" stroke-width="1" fill="none" d="M 724.224,323.423 A 699.412,699.412 0 0 1</pre>
367.395,467.025"/>
        <polygon fill="black" stroke-width="1" points="724.224,323.423 714.84,324.389</pre>
720.98,332.282"/>
        <text x="560.5" y="441.5" font-family="Times New Roman" font-size="20">M</text>
        <path stroke="black" stroke-width="1" fill="none" d="M 725.191,324.554 A 678.821,678.821 0 0 1</pre>
221.308,485.87"/>
        <polygon fill="black" stroke-width="1" points="725.191,324.554 715.866,325.979</pre>
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</pre>
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</pre>
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</pre>
543.302,506.681"/>
        <polygon fill="black" stroke-width="1" points="543.302,506.681 536.282,500.378</pre>
534.56,510.229"/>
        <text x="492.5" y="493.5" font-family="Times New Roman" font-size="20">*</text>
```

```
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</pre>
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</pre>
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</pre>
432.481,541.667"/>
        <text x="476.5" y="581.5" font-family="Times New Roman" font-size="20">M</text>
        <polygon fill="black" stroke-width="1" points="432.481,541.667 428.913,550.4</pre>
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</pre>
451.45,521.288"/>
        <polygon fill="black" stroke-width="1" points="451.45,521.288 458.307,527.767</pre>
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</pre>
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</pre>
351.192,578.959"/>
        <polygon fill="black" stroke-width="1" points="749.651,334.407 744.784,342.489</pre>
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</pre>
371.375,579.562"/>
        <text x="351.5" y="595.5" font-family="Times New Roman" font-size="20">N</text>
```

<path stroke="black" stroke-width="1" fill="none" d="M 602.378,512.944 A 22.5,22.5 0 1 1</pre>