

Grupo 19

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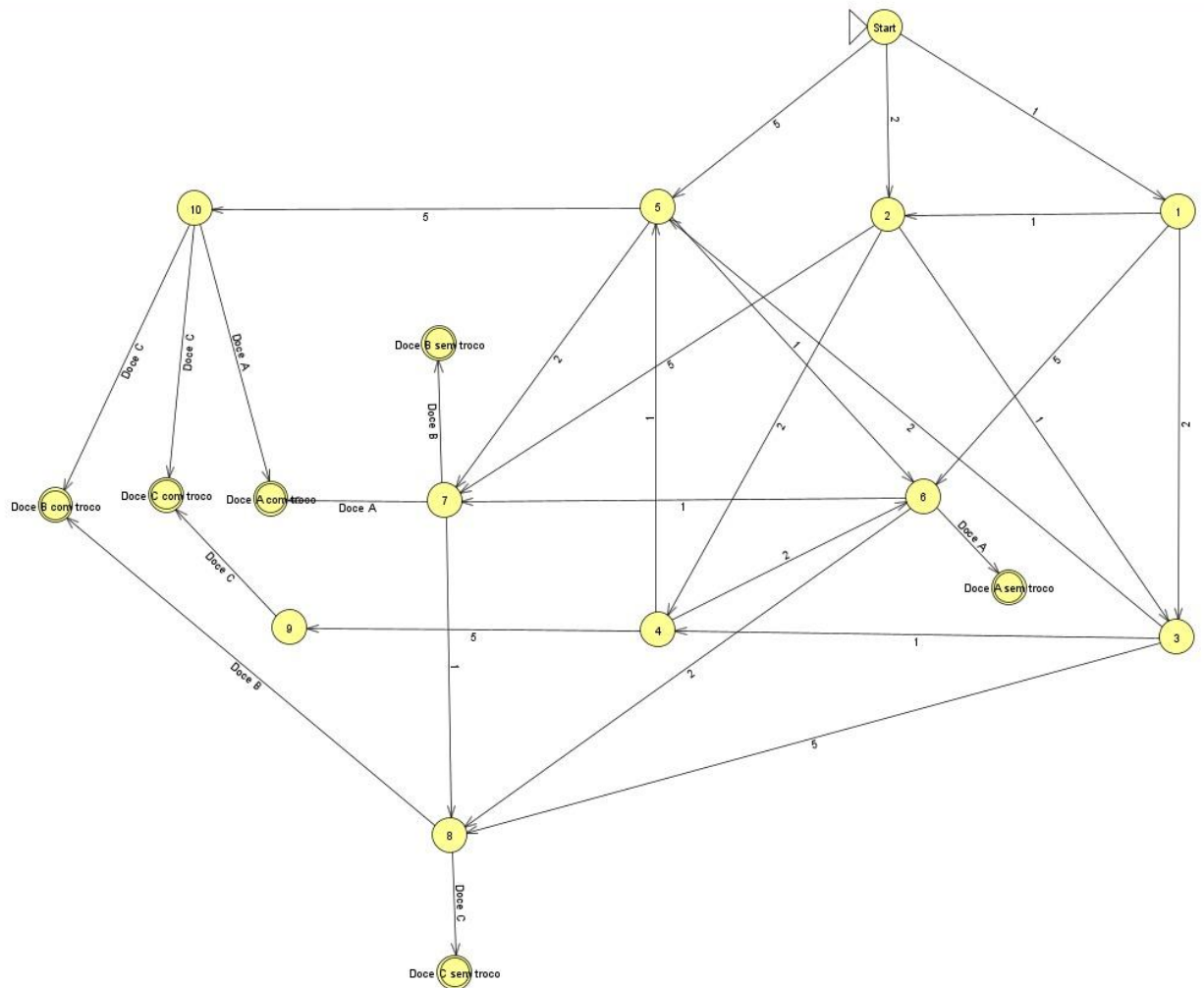
Breno Sganzerla - 822144984

Matheus Afonso Batista - 822154497

Fernando Fukunaga Sant'Anna - 821232457

Enrico Sganzerla – 824214414

Desenho do autômato



CODIGO AUTOMATO

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</structure>

```

Código Front operacional:

```

<!DOCTYPE html>
<html lang="pt-BR">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Máquina de Doces</title>
    <style>

```

```

    @import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@400;600;700&di
splay=swap');

    body {
        font-family: 'Poppins', sans-serif;
        display: flex;
        justify-content: center;
        align-items: center;
        min-height: 100vh;
        margin: 0;
        background-image: url('https://mipetit.com.br/wp-
content/uploads/2019/10/img_foto-blog-011.jpg');
        background-size: cover;
        background-position: center;
        background-attachment: fixed;
    }

    .vending-machine {
        background: linear-gradient(145deg, #e63946, #d62839);
        padding: 30px;
        border-radius: 20px;
        box-shadow: 0 10px 30px rgba(0, 0, 0, 0.5),
            inset 0 0 20px rgba(255, 255, 255, 0.2);
        width: 320px;
        text-align: center;
        border: 8px solid #333;
        position: relative;
    }

    .vending-machine:before {
        content: "";
        position: absolute;
        top: -15px;
        left: -15px;
        right: -15px;
        bottom: -15px;
        border: 3px solid rgba(255, 255, 255, 0.3);
        border-radius: 28px;
        pointer-events: none;
    }

    h1 {
        color: white;
        margin: 0 0 20px 0;
        text-shadow: 2px 2px 4px rgba(0, 0, 0, 0.5);
        font-size: 28px;
    }

```



```
.balance-display {
  background: #333;
  color: #f1faee;
  padding: 15px;
  border-radius: 10px;
  margin-bottom: 20px;
  font-size: 18px;
  box-shadow: inset 0 0 10px rgba(0, 0, 0, 0.5);
  border: 3px solid #f1faee;
}

.money-btns, .candy-btns {
  margin: 20px 0;
  display: flex;
  flex-wrap: wrap;
  justify-content: center;
  gap: 10px;
}

.money-btn {
  width: 80px;
  height: 40px;
  border-radius: 5px;
  font-weight: bold;
  display: flex;
  align-items: center;
  justify-content: center;
  transition: transform 0.2s;
  box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);
  border: none;
  cursor: pointer;
}

.money-btn:hover {
  transform: translateY(-3px);
}

.money-btn:active {
  transform: translateY(1px);
}

.btn-1real {
  background: linear-gradient(135deg, #FFD700, #D4AF37);
  color: #333;
}

.btn-2reais {
  background: linear-gradient(135deg, #C0C0C0, #A8A8A8);
  color: #333;
}
```

```

}

.btn-5reis {
  background: linear-gradient(135deg, #8B4513, #A0522D);
  color: white;
}

.candy-btn {
  padding: 12px;
  margin: 5px;
  border: none;
  border-radius: 50px;
  cursor: pointer;
  transition: all 0.3s;
  font-weight: bold;
  width: 120px;
  box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);
  position: relative;
  overflow: hidden;
}

.candy-btn:before {
  content: "";
  position: absolute;
  top: -10px;
  left: -10px;
  right: -10px;
  bottom: -10px;
  background: radial-gradient(circle, rgba(255,255,255,0.8) 0%,
    rgba(255,255,255,0) 70%);
  opacity: 0;
  transition: opacity 0.3s;
}

.candy-btn:hover:before {
  opacity: 0.3;
}

.candy-btn:disabled {
  background: #cccccc !important;
  cursor: not-allowed;
  color: #666;
  box-shadow: none;
}

.candy-btn:disabled:before {
  display: none;
}

```

```

#candyA {
  background: linear-gradient(135deg, #FF9E9E, #FF6B6B);
  color: white;
}

#candyB {
  background: linear-gradient(135deg, #A0E7E5, #4ECDC4);
  color: white;
}

#candyC {
  background: linear-gradient(135deg, #B5EAD7, #82D8A0);
  color: white;
}

.output {
  margin-top: 25px;
  padding: 15px;
  border-radius: 10px;
  background-color: rgba(255, 255, 255, 0.9);
  min-height: 50px;
  display: flex;
  align-items: center;
  justify-content: center;
  font-size: 16px;
  box-shadow: inset 0 0 10px rgba(0, 0, 0, 0.1);
  border: 2px solid #f1faee;
}

.coin-slot {
  width: 40px;
  height: 10px;
  background: #333;
  margin: 10px auto;
  border-radius: 5px;
  box-shadow: inset 0 0 5px rgba(0, 0, 0, 0.5);
}

.candy-icon {
  margin-right: 8px;
  font-size: 18px;
}
</style>
</head>
<body>
  <div class="vending-machine">
    <h1>Máquina de Doces!</h1>

    <div class="coin-slot"></div>

```

```

<div class="balance-display">
  <p>Saldo Atual: <span id="currentBalance">R$ 0,00</span></p>
</div>

<div class="money-btns">
  <button class="money-btn btn-1real" onclick="insertMoney(1)">
    <span style="margin-right: 5px;">R$</span>1,00
  </button>
  <button class="money-btn btn-2reais"
onclick="insertMoney(2)">
    <span style="margin-right: 5px;">R$</span>2,00
  </button>
  <button class="money-btn btn-5reais"
onclick="insertMoney(5)">
    <span style="margin-right: 5px;">R$</span>5,00
  </button>
</div>

<div class="candy-btns">
  <button id="candyA" class="candy-btn" onclick="buyCandy('A',
6)" disabled>
    <span class="candy-icon">🍬</span> Pirulito (R$ 6,00)
  </button>
  <button id="candyB" class="candy-btn" onclick="buyCandy('B',
7)" disabled>
    <span class="candy-icon">🍫</span> Kinder Ovo (R$ 7,00)
  </button>
  <button id="candyC" class="candy-btn" onclick="buyCandy('C',
8)" disabled>
    <span class="candy-icon">🍫</span> Chocolate (R$ 8,00)
  </button>
</div>

<div class="output" id="output">Insira dinheiro para
começar!</div>
</div>

<script>
  let currentBalance = 0;

  function formatCurrency(value) {
    return value.toFixed(2).replace('.', ',');
  }

  function updateUI() {
    document.getElementById('currentBalance').textContent = `R$
${formatCurrency(currentBalance)}`;

```

```

        document.getElementById('candyA').disabled = currentBalance <
6;
        document.getElementById('candyB').disabled = currentBalance <
7;
        document.getElementById('candyC').disabled = currentBalance <
8;
    }

    function insertMoney(amount) {
        currentBalance += amount;
        updateUI();

        let moneyName = '';
        if (amount === 1) moneyName = 'uma moeda de R$ 1,00';
        else if (amount === 2) moneyName = 'uma nota de R$ 2,00';
        else moneyName = 'uma nota de R$ 5,00';

        document.getElementById('output').textContent = `Você inseriu
${moneyName}`;

        // Efeito sonoro simulado (seria melhor com um arquivo de som
real)
        console.log('Som de moeda caindo: clink!');
    }

    function buyCandy(candy, price) {
        if (currentBalance >= price) {
            let change = currentBalance - price;
            currentBalance = 0;
            updateUI();

            let candyName = '';
            let candyEmoji = '';
            if (candy === 'A') {
                candyName = 'Pirulito';
                candyEmoji = '🍭';
            } else if (candy === 'B') {
                candyName = 'Kinder Ovo';
                candyEmoji = '🍫';
            } else {
                candyName = 'Chocolate';
                candyEmoji = '🍫';
            }

            let message = `${candyEmoji} Você comprou ${candyName}!
${candyEmoji}`;
            if (change > 0) {
                message += ` Seu troco é de R$
${formatCurrency(change)}.`;

```

```
        } else {
            message += ' Sem troco.';
        }

        document.getElementById('output').textContent = message;

        // Efeito sonoro simulado
        console.log('Som de doce caindo: clunk!');
    } else {
        document.getElementById('output').textContent = 'Saldo
insuficiente. Por favor, insira mais dinheiro.';
    }
}

    updateUI();
</script>
</body>
</html>
```