|  |
| --- |
| <!DOCTYPE html> |
|  | <html> |
|  | <head> |
|  | <meta charset="utf-8"> |
|  | <title>DOM</title> |
|  | <style> |
|  | \* { |
|  | padding: 0; |
|  | margin: 0; |
|  | } |
|  | table { |
|  | border-collapse: collapse; |
|  | height: 500px; |
|  | width: 500px; |
|  | margin: 50px auto; |
|  | } |
|  | td, th { |
|  | height: 50px; |
|  | width: 50px; |
|  | text-align: center; |
|  | vertical-align: middle; |
|  | font: normal 20px/30px Arial; |
|  | position: relative; |
|  | } |
|  | tr:nth-child(odd) td:nth-child(odd), |
|  | tr:nth-child(even) td:nth-child(even) { |
|  | background: #bbb; |
|  | } |
|  | tr:nth-child(odd) td:nth-child(even), |
|  | tr:nth-child(even) td:nth-child(odd) { |
|  | background: #666; |
|  | } |
|  | td:after { |
|  | position: absolute; |
|  | top: 0; |
|  | width: 50px; |
|  | display: block; |
|  | font-size: 30px; |
|  | line-height: 50px; |
|  | } |
|  | .white\_king:after { |
|  | content: '\2654'; |
|  | color: white; |
|  | } |
|  | .black\_king:after { |
|  | content: '\265a'; |
|  | color: black; |
|  | } |
|  | </style> |
|  | <script> |
|  | let chessnames = ['king', 'queen', 'bishop', 'knight', 'rook', 'pawn']; |
|  | let chesscolors = ['white', 'black']; |
|  | let coords = [['a','b','c','d','e','f','g','h'], [1, 2, 3, 4, 5, 6, 7, 8]]; |
|  |  |
|  | function kingspath(begin, end) { |
|  | let a = document.getElementById(begin); |
|  | let b = document.getElementById(end); |
|  | if (!check\_cell(a, b)) { |
|  | alert('Так ходить нельзя!') |
|  | return; |
|  | } |
|  | b.className = a.className; |
|  | a.className = ''; |
|  | } |
|  | function check\_cell(a, b) { |
|  | let name = a.className; |
|  | if (!name) return false; |
|  | let namearr = name.split('\_'); |
|  | if (!check\_color(namearr[0])) return false; |
|  | if (!check\_path(namearr, a, b)) return false; |
|  | return true; |
|  | } |
|  | function check\_path(namearr, a, b) { |
|  | if (namearr[1] == 'king') { |
|  | pathes = [[-1,-1],[-1,0],[-1,1],[0,-1],[0,1],[1,-1],[1,0],[1,1]]; |
|  | } |
|  | let begin\_id = a.id; |
|  | let end\_id = b.id; |
|  | let begin\_idx1 = coords[0].findIndex(item => item == begin\_id[0]); |
|  | let begin\_idx2 = coords[1].findIndex(item => item == begin\_id[1]); |
|  | let end\_idx1 = coords[0].findIndex(item => item == end\_id[0]); |
|  | let end\_idx2 = coords[1].findIndex(item => item == end\_id[1]); |
|  | for (path of pathes) { |
|  | if ((path[0] == begin\_idx1 - end\_idx1) && (path[1] == begin\_idx2 - end\_idx2)) { |
|  | if (check\_aim(namearr, a, b)) { |
|  | return true; |
|  | } else { |
|  | return false; |
|  | } |
|  | } |
|  | } |
|  | } |
|  | function check\_aim(namearr, a, b) { |
|  | if (b.className) return false; |
|  | return true; |
|  | } |
|  | function check\_color(color) { |
|  | return true; |
|  | } |
|  | </script> |
|  | </head> |
|  | <body> |
|  | <table> |
|  | <caption></caption> |
|  | <tbody> |
|  | <tr> |
|  | <th></th> |
|  | <th>A</th> |
|  | <th>B</th> |
|  | <th>C</th> |
|  | <th>D</th> |
|  | <th>E</th> |
|  | <th>F</th> |
|  | <th>G</th> |
|  | <th>H</th> |
|  | <th></th> |
|  | </tr> |
|  | <tr> |
|  | <th>8</th> |
|  | <td id="a8"></td> |
|  | <td id="b8"></td> |
|  | <td id="c8"></td> |
|  | <td id="d8"></td> |
|  | <td id="e8" class="black\_king"></td> |
|  | <td id="f8"></td> |
|  | <td id="g8"></td> |
|  | <td id="h8"></td> |
|  | <th>8</th> |
|  | </tr> |
|  | <tr> |
|  | <th>7</th> |
|  | <td id="a7"></td> |
|  | <td id="b7"></td> |
|  | <td id="c7"></td> |
|  | <td id="d7"></td> |
|  | <td id="e7"></td> |
|  | <td id="f7"></td> |
|  | <td id="g7"></td> |
|  | <td id="h7"></td> |
|  | <th>7</th> |
|  | </tr> |
|  | <tr> |
|  | <th>6</th> |
|  | <td id="a6"></td> |
|  | <td id="b6"></td> |
|  | <td id="c6"></td> |
|  | <td id="d6"></td> |
|  | <td id="e6"></td> |
|  | <td id="f6"></td> |
|  | <td id="g6"></td> |
|  | <td id="h6"></td> |
|  | <th>6</th> |
|  | </tr> |
|  | <tr> |
|  | <th>5</th> |
|  | <td id="a5"></td> |
|  | <td id="b5"></td> |
|  | <td id="c5"></td> |
|  | <td id="d5"></td> |
|  | <td id="e5"></td> |
|  | <td id="f5"></td> |
|  | <td id="g5"></td> |
|  | <td id="h5"></td> |
|  | <th>5</th> |
|  | </tr> |
|  | <tr> |
|  | <th>4</th> |
|  | <td id="a4"></td> |
|  | <td id="b4"></td> |
|  | <td id="c4"></td> |
|  | <td id="d4"></td> |
|  | <td id="e4"></td> |
|  | <td id="f4"></td> |
|  | <td id="g4"></td> |
|  | <td id="h4"></td> |
|  | <th>4</th> |
|  | </tr> |
|  | <tr> |
|  | <th>3</th> |
|  | <td id="a3"></td> |
|  | <td id="b3"></td> |
|  | <td id="c3"></td> |
|  | <td id="d3"></td> |
|  | <td id="e3"></td> |
|  | <td id="f3"></td> |
|  | <td id="g3"></td> |
|  | <td id="h3"></td> |
|  | <th>3</th> |
|  | </tr> |
|  | <tr> |
|  | <th>2</th> |
|  | <td id="a2"></td> |
|  | <td id="b2"></td> |
|  | <td id="c2"></td> |
|  | <td id="d2"></td> |
|  | <td id="e2"></td> |
|  | <td id="f2"></td> |
|  | <td id="g2"></td> |
|  | <td id="h2"></td> |
|  | <th>2</th> |
|  | </tr> |
|  | <tr> |
|  | <th>1</th> |
|  | <td id="a1"></td> |
|  | <td id="b1"></td> |
|  | <td id="c1"></td> |
|  | <td id="d1"></td> |
|  | <td id="e1" class="white\_king"></td> |
|  | <td id="f1"></td> |
|  | <td id="g1"></td> |
|  | <td id="h1"></td> |
|  | <th>1</th> |
|  | </tr> |
|  | <tr> |
|  | <th></th> |
|  | <th>A</th> |
|  | <th>B</th> |
|  | <th>C</th> |
|  | <th>D</th> |
|  | <th>E</th> |
|  | <th>F</th> |
|  | <th>G</th> |
|  | <th>H</th> |
|  | <th></th> |
|  | </tr> |
|  | </tbody> |
|  | </table> |
|  | </body> |
|  | </html> |