|  |
| --- |
| <!DOCTYPE html> |
|  | <html> |
|  | <head> |
|  | <meta charset="utf-8"> |
|  | <title>The King moves!</title> |
|  | <style> |
|  | \* { |
|  | padding: 0; |
|  | margin: 0; |
|  | } |
|  | table { |
|  | margin: 50px auto; |
|  | } |
|  | td, th { |
|  | height: 50px; |
|  | width: 50px; |
|  | box-sizing: border-box; |
|  | border: 2px solid transparent; |
|  | 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; |
|  | border-color: #bbb; |
|  | } |
|  | tr:nth-child(odd) td:nth-child(even), |
|  | tr:nth-child(even) td:nth-child(odd) { |
|  | background: #666; |
|  | border-color: #666; |
|  | } |
|  | td:after { |
|  | position: absolute; |
|  | top: -2px; |
|  | left: -2px; |
|  | width: 50px; |
|  | display: block; |
|  | font-size: 30px; |
|  | line-height: 50px; |
|  | } |
|  | .white\_king:after { |
|  | content: '\2654'; |
|  | color: white; |
|  | } |
|  | .black\_king:after { |
|  | content: '\265a'; |
|  | color: black; |
|  | } |
|  | body.mouseup td.startpoint { |
|  | border-color: yellow; |
|  | } |
|  | body.mouseup td.endpoint { |
|  | border-color: blue; |
|  | } |
|  | </style> |
|  | <script> |
|  | document.addEventListener('click', function(event){ |
|  | if ((!flag) || (event.target.tagName.toLowerCase() != 'td')) return; |
|  | if (counter) { |
|  | if (!event.target.classList.contains('white\_king') && !event.target.classList.contains('black\_king')) return; |
|  | event.target.classList.add('startpoint'); |
|  | document.body.classList.add('mouseup'); |
|  | } else { |
|  | if (!check\_path(document.querySelector('.startpoint'), event.target) ||event.target.classList.contains('white\_king') || event.target.classList.contains('black\_king')) { |
|  | alert('Сюда ходить нельзя!'); |
|  | return; |
|  | } |
|  | event.target.classList.add('endpoint'); |
|  | flag = false; |
|  | setTimeout(function(){ |
|  | if (document.querySelector('.startpoint').classList.contains('white\_king')) { |
|  | document.querySelector('.startpoint').classList.remove('white\_king'); |
|  | document.querySelector('.endpoint').classList.add('white\_king'); |
|  | } else { |
|  | document.querySelector('.startpoint').classList.remove('black\_king'); |
|  | document.querySelector('.endpoint').classList.add('black\_king'); |
|  | } |
|  | document.querySelector('.mouseup').classList.remove('mouseup'); |
|  | document.querySelector('.startpoint').classList.remove('startpoint'); |
|  | document.querySelector('.endpoint').classList.remove('endpoint'); |
|  | flag = true; |
|  | }, 500); |
|  | } |
|  | counter = !counter; |
|  | }) |
|  | let counter = true; |
|  | let flag = true; |
|  | let coords = [['a','b','c','d','e','f','g','h'], [1, 2, 3, 4, 5, 6, 7, 8]]; |
|  | function check\_path(a, b) { |
|  | let pathes = [[-1,-1],[-1,0],[-1,1],[0,-1],[0,1],[1,-1],[1,0],[1,1]]; |
|  | let begin\_idx1 = coords[0].findIndex(item => item == a.id[0]); |
|  | let begin\_idx2 = a.id[1]; |
|  | let end\_idx1 = coords[0].findIndex(item => item == b.id[0]); |
|  | let end\_idx2 = b.id[1] |
|  | for (path of pathes) { |
|  | if ((path[0] == begin\_idx1 - end\_idx1) && (path[1] == begin\_idx2 - end\_idx2)) { |
|  | return true; |
|  | } |
|  | } |
|  | return false; |
|  | } |
|  | </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> |