

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show ☒ source ☐ outline ☐ image report

Options...

Check by ☐ css

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CSRF Token -->
    <meta name="csrf-token" content="mA3nE7soWwBcBhD5RwfvHs6eBBkiJagwcdRHHWrb">

    <title>BrainShare</title>

    <!-- Bootstrap Css -->
    <link href="https://cdn.jsdelivrivr.net/npm/bootstrap@5.0.0-
```

Check

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

Document checking completed. No errors or warnings to show.

Source

```
1.  ↵
2.  <!DOCTYPE html>↵
3.  <html lang="en">↵
4.    <head>↵
5.      <meta charset="utf-8">↵
6.      <meta http-equiv="X-UA-Compatible" content="IE=edge">↵
7.      <meta name="viewport" content="width=device-width, initial-scale=1">↵
8.    ↵
9.    <!-- CSRF Token -->↵
10.   <meta name="csrf-token"
11.     content="mA3nE7soWwBcBhD5RwfvHs6eBBkiJagwcdRHHWrb">↵
12. ↵
13. <title>BrainShare</title>↵
14. ↵
15. <!-- Bootstrap Css -->↵
16. <link href="https://cdn.jsdelivrivr.net/npm/bootstrap@5.0.0-
    beta2/dist/css/bootstrap.min.css" rel="stylesheet"↵
    integrity="sha384-
    BmbxuPwQa2lc/FVzBcNJ7UAyJxM6wuqIj61tLrc4wSX0szH/Ev+nYRRuWlolflfl"
```

```

crossorigin="anonymous">
17. <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.4.0/font/bootstrap-icons.css">
18. 
19. <!-- Styles -->
20. <link href="http://lbaw2152.lbaw-prod.fe.up.pt/css/styles.css"
rel="stylesheet">
21. <link href="http://lbaw2152.lbaw-prod.fe.up.pt/css/responsive.css"
rel="stylesheet">
22. 
23. <!-- Bootstrap script -->
24. <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta2/dist/js/bootstrap.bundle.min.js"
25. integrity="sha384-
b5kHyXgcpbZJ0/tY9U17kGkf1S0CWuKcCD38l8YkeH8z8QjE0GmW1gYU5S9F0nJ0"
crossorigin="anonymous"
26. defer></script>
27. 
28. <!-- Font Awesome -->
29. <script src="https://kit.fontawesome.com/cf05cece41.js"
crossorigin="anonymous"></script>
30. 
31. <!-- Iconify -->
32. <script src="https://code.iconify.design/1/1.0.7/iconify.min.js">
</script>
33. 
34. <!-- Rich Text -->
35. <link rel="stylesheet"
href="http://lab.lepture.com/editor/editor.css"/>
36. <script src="https://lab.lepture.com/editor/editor.js" defer></script>
37. <script src="https://lab.lepture.com/editor/marked.js" defer></script>
38. 
39. <!-- Scripts -->
40. <script src=http://lbaw2152.lbaw-prod.fe.up.pt/js/parseMD.js
type="module"></script>
41. <script src=http://lbaw2152.lbaw-prod.fe.up.pt/js/toastReplies.js
type="module"></script>
42. <script src=http://lbaw2152.lbaw-prod.fe.up.pt/js/removeMD.js
type="module"></script>
43. <script src=http://lbaw2152.lbaw-prod.fe.up.pt/js/search.js
type="module"></script>
44. <script src=http://lbaw2152.lbaw-prod.fe.up.pt/js/tags.js
type="module"></script>
45. <script src=http://lbaw2152.lbaw-prod.fe.up.pt/js/courses.js
type="module"></script>
46. <script src=http://lbaw2152.lbaw-prod.fe.up.pt/js/upvote.js
type="module"></script>
47. <script src=http://lbaw2152.lbaw-prod.fe.up.pt/js/valid-answer.js
type="module"></script>
48. <script src=http://lbaw2152.lbaw-prod.fe.up.pt/js/notification.js
type="module"></script>
49. <script src=http://lbaw2152.lbaw-prod.fe.up.pt/js/imagePreview.js
defer></script>
50. <script src=http://lbaw2152.lbaw-prod.fe.up.pt/js/hashchange.js defer>
</script>
51. <script src=http://lbaw2152.lbaw-prod.fe.up.pt/js/autocomplete.js
defer></script>
52. <script src=http://lbaw2152.lbaw-prod.fe.up.pt/js/editor.js defer>
</script>
53. 
54. 
55. <!-- Library to translate MD to html -->
56. <script
src="https://cdnjs.cloudflare.com/ajax/libs/showdown/1.9.1/showdown.min
.js"
57. integrity="sha512-
L03kznCrN0fVx0UovR6ESfCz9Gfny7gihUX/huVbQB9zj0DtYpXaVtIaAkpetoiyV2eqWbv
xMH9fiSv5enX7bw=="
58. crossorigin="anonymous"></script>
59. 
60. <script src=http://lbaw2152.lbaw-prod.fe.up.pt/js/toastReplies.js
type="module"></script>
61. </head>
62. <body>
63. <main>

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64.     <header class="fixed-top m-auto">↵
65.     <nav class="navbar navbar-expand-xl navbar-dark bg-dark">↵
66.     <div class="container-fluid">↵
67. ↵
68.         <!-- Logo - link to Home Page -->↵
69.         <a class="navbar-brand" href="http://lbaw2152.lbaw-
prod.fe.up.pt">BrainShare</a>↵
70. ↵
71.         <!-- Tablet Search Bar -->↵
72.         <form class="header-search d-flex me-auto tablet-header-search"
action="http://lbaw2152.lbaw-prod.fe.up.pt/search" >↵
73.             <input class="form-control" type="search"
placeholder="Search" name="search-input" aria-label="Search">↵
74. <input type="hidden" name="filter" value="relevance">↵
75. <div class="input-group-append">↵
76. <button class="btn btn-primary" type="submit">↵
77. <i class="fas fa-search"></i>↵
78. </button>↵
79. </div>         </form>↵
80. ↵
81.         <!-- Mobile Menu Icon -->↵
82.         <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-
label="Toggle navigation">↵
83.             <span class="navbar-toggler-icon"></span>↵
84.         </button>↵
85. ↵
86.         <div class="collapse navbar-collapse"
id="navbarSupportedContent">↵
87. ↵
88.             <!-- Search Bar -->↵
89.             <form class="header-search d-flex me-auto main-search"
action="http://lbaw2152.lbaw-prod.fe.up.pt/search" >↵
90.                 <input class="form-control" type="search"
placeholder="Search" name="search-input" aria-label="Search">↵
91. <input type="hidden" name="filter" value="relevance">↵
92. <div class="input-group-append">↵
93. <button class="btn btn-primary" type="submit">↵
94. <i class="fas fa-search"></i>↵
95. </button>↵
96. </div>             </form>↵
97. ↵
98.             <!-- Main Pages -->↵
99.             <ul class="navbar-nav mb-2 mb-xl-0">↵
100. ↵
101.                 <!-- Registered Users options -->↵
102.                 <li class="nav-item">↵
103.                     <a class="nav-link" href="http://lbaw2152.lbaw-
prod.fe.up.pt/question/add">Add Question</a>↵
104.                 </li>↵
105. ↵
106.                 <!-- Administrator/Moderator -->↵
107.                 <li class="nav-item">↵
108.                     <a class="nav-link" href="http://lbaw2152.lbaw-
prod.fe.up.pt/admin/tags">Management</a>↵
109.                 </li>↵
110. ↵
111.             </ul>↵
112. ↵
113.             <!-- Registration/Account -->↵
114.             <div class="ms-4 registration-menu btn-toolbar mb-2 mb-xl-0
align-items-center flex-nowrap">↵
115. ↵
116.                 <!-- Registered Users options -->↵
117.                 ↵
118.                 <a class="nav-link profile-button registration-button"
href="/user/102/profile">↵
119.                     ↵
120.                     Test Admin↵
121.                 </a>↵
122.                 <button class="registration-button icon-hover
notification-open" data-bs-toggle="modal" data-bs-

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target="#notificationsModal">↵
123.         <i class="far fa-bell"></i>↵
124.         <i class="fas fa-bell"></i>↵
125.     </button>↵
126.     ↵
127.     <form method="post" action="http://lbaw2152.lbaw-
prod.fe.up.pt/auth/logout">↵
128.         <input type="hidden" name=" token"
value="mA3nE7soWwBcBhD5RwfvHs6eBBkiJagwcdRHFwrb">↵
129.         <button class="registration-button btn btn-outline-
primary">Logout</button>↵
130.     </form>↵
131.     </div>↵
132. ↵
133.     </div>↵
134. </div>↵
135. </nav>↵
136. </header>↵
137. ↵
138. <!-- Registered Users options -->↵
139. ↵
140.     <div class="modal" id="notificationsModal" tabindex="-1" aria-
labelledby="notificationsModal" aria-hidden="true">↵
141.         <div class="modal-dialog modal-dialog-scrollable">↵
142.             <div class="modal-content">↵
143.                 <div class="modal-header">↵
144.                     <i class="fas fa-bell"></i>↵
145.                     <h5 class="modal-title ms-3"> Notifications</h5>↵
146.                     <button type="button" class="btn-close notification-close"
data-bs-dismiss="modal" aria-label="Close"></button>↵
147.                 </div>↵
148.                 <div class="modal-body">↵
149.                     <div class="list-group notification-group">↵
150.                         <div class="goal-notification mb-2"> ↵
151.                             </div>↵
152.                     </div>↵
153.                 </div>↵
154.             </div>↵
155.         </div>↵
156.     </div>↵
157. ↵
158. ↵
159. <!-- Toast when try to access user banned pages -->↵
160.     <section id="content">↵
161.         ↵
162.         ↵
163.         ↵
164.         <div class="page-margin" id="search-page">↵
165.             <!-- Questions Results -->↵
166.             <div class="mt-md-5">↵
167.                 <header>↵
168.                     <div id="search-header" class="d-flex">↵
169.                         <h2>Search</h2>↵
170.                     ↵
171.                     <!-- Search Results Order -->↵
172.                     <ul class="nav ms-auto" id="order-filters">↵
173.                         <li hidden>↵
174.                             <input id="order-filter-1" type="radio" name="filter" class="nav-
link" value="relevance" hidden >↵
175.                             <label for="order-filter-1">Relevance</label>↵
176.                         </li>↵
177.                         <li>↵
178.                             <input id="order-filter-2" type="radio" name="filter" class="nav-
link" value="new" hidden checked>↵
179.                             <label for="order-filter-2">Newest</label>↵
180.                         </li>↵
181.                         <li>↵
182.                             <input id="order-filter-3" type="radio" name="filter" class="nav-
link" value="votes" hidden >↵
183.                             <label for="order-filter-3">Most Voted</label>↵
184.                         </li>↵
185.                         <li id="mobile-search-filters">↵
186.                             <button><i class="iconify" data-icon="feather:filter" data-
inline="false"></i></button>↵

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187.     <button><i class="iconify" data-icon="majesticons:filter" data-
inline="false"></i></button>
188.     </li>
189. </ul>           </div>
190.
191.         <!-- Search Filters -->
192.         <form class="me-auto" id="questions-search-bar">
193.     <div class="d-flex">
194.         <!-- Search by text -->
195.         <input class="form-control" type="search" name="search-input"
196.             value="" placeholder="Search" aria-label="Search">
197.         <div class="input-group-append">
198.             <button class="btn btn-primary" type="submit" name="search-
submit" value="relevance">
199.                 <i class="fas fa-search"></i>
200.             </button>
201.         </div>
202.     </div>
203.
204.     <div class="navbar py-0 justify-content-start mt-3 flex-nowrap
align-items-start">
205.         <!-- Filter by Course -->
206.         <div class="courses-tags-search">
207.             <h6>Filter by Course</h6>
208.             <div class="dropdown">
209.                 <button class="dropdown-toggle" type="button" id="courses-
dropdown">0 selected</button>
210.                 <div class="dropdown-menu" id="courses-dropdown-list">
211.                     <div class="dropdown-item">
212.                         <input class="course-filter-input" name="courses"
213.                             type="checkbox" hidden id="course-filter-1"
214.                             value="1" >
215.                         <label for="course-filter-1" class="course-filter
list-group-item">MIEA</label>
216.                     </div>
217.                     <div class="dropdown-item">
218.                         <input class="course-filter-input" name="courses"
219.                             type="checkbox" hidden id="course-filter-2"
220.                             value="2" >
221.                         <label for="course-filter-2" class="course-filter
list-group-item">MIEC</label>
222.                     </div>
223.                     <div class="dropdown-item">
224.                         <input class="course-filter-input" name="courses"
225.                             type="checkbox" hidden id="course-filter-3"
226.                             value="3" >
227.                         <label for="course-filter-3" class="course-filter
list-group-item">MIEGI</label>
228.                     </div>
229.                     <div class="dropdown-item">
230.                         <input class="course-filter-input" name="courses"
231.                             type="checkbox" hidden id="course-filter-4"
232.                             value="4" >
233.                         <label for="course-filter-4" class="course-filter
list-group-item">MIEB</label>
234.                     </div>
235.                     <div class="dropdown-item">
236.                         <input class="course-filter-input" name="courses"
237.                             type="checkbox" hidden id="course-filter-5"
238.                             value="5" >
239.                         <label for="course-filter-5" class="course-filter
list-group-item">MIEEC</label>
240.                     </div>
241.                     <div class="dropdown-item">
242.                         <input class="course-filter-input" name="courses"
243.                             type="checkbox" hidden id="course-filter-7"
244.                             value="7" >
245.                         <label for="course-filter-7" class="course-filter
list-group-item">MIEIC</label>
246.                     </div>
247.                 </div>
248.             </div>
249.             <!-- Filter by Tag -->
250.             <div class="courses-tags-search">
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246.     <h6>Tags</h6>↵
247.     <div id="tags-selected">↵
248.         <input class="form-control" name="tag-input" type="search"
placeholder="Search tags">↵
249.     </div>↵
250.     <div id="tags-search-results">↵
251.     </div>↵
252. </div>     </div>↵
253.     <a class="d-block my-1 reset-search" href="http://lbaw2152.lbaw-
prod.fe.up.pt/search">Reset search</a>↵
254. </form>↵
255.     </header>↵
256. </div>↵
257. ↵
258.     <!-- Questions -->↵
259.     <div class="mt-5 question-search-results">↵
260.         <article class="question-preview card flex-row align-items-
center">↵
261.             <div class="counts">↵
262.                 <div>0</div>↵
263.                 <div>answers</div>↵
264.             </div>↵
265.             <div class="counts">↵
266.                 <div>0</div>↵
267.                 <div>votes</div>↵
268.             </div>↵
269.             <div class="card-body">↵
270.                 <header class="card-header">↵
271. ↵
272.                     <div class="question-header d-flex align-items-center">↵
273. ↵
274.                         <!-- Mobile Question details -->↵
275.                         <div class="d-none question-details d-flex mb-3">↵
276.                             <!-- Courses -->↵
277.                             <span class="category course badge rounded-pill bg-
secondary m-2">↵
278.                                 <i class="fas fa-graduation-cap"></i>↵
279.                                 MIEIC↵
280.                             </span>↵
281.                             </div>↵
282. ↵
283.                             <!-- Question Title -->↵
284.                             <h4 class="card-title flex-grow-1"><a
href="/question/17/view">MIPS: Using the stack</a>↵
285.                             </h4>↵
286. ↵
287.                             <!-- Desktop Question details -->↵
288.                             <div class="question-details d-flex">↵
289.                                 <!-- Courses -->↵
290.                                 <span class="category course badge rounded-pill bg-
secondary m-2">↵
291.                                     <i class="fas fa-graduation-cap"></i>↵
292.                                     MIEIC↵
293.                                 </span>↵
294.                                 </div>↵
295.                             </div>↵
296.                             </header>↵
297. ↵
298.                             <div class="limited-text-3 md-remove">↵
299.                                 I was reading in a MIPS manual that: &quot;Notice we use
the "unsigned" version of the "add immediate" instruction because we
are dealing with an address, which is an unsigned binary number. We
wouldn't want to generate an exception just because a computed address
crossed over the mid-point of the memory space.&quot;↵
300.                                 What does this mean exactly? Specifically crossing over the mid-point
of the memory space....↵
301.                             </div>↵
302. ↵
303.                             <!-- Tags and User -->↵
304.                             <footer class="d-flex align-items-center flex-wrap">↵
305.                                 <div class="flex-grow-1 mb-1">↵
306.                                     <div class="question-tags">↵
307.                                         <span class="category tag badge bg-secondary">↵
308.                                             <i class="fas fa-hashtag"></i>↵
309.                                             Numerical Methods↵

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310.     </span>↵
311.     </div>↵
312. ↵
313. ↵
314.         </div>↵
315.         <div class="question-author d-inline-flex
align-items-center">↵
316.             <img↵
317.                 src="http://lbaw2152.lbaw-
prod.fe.up.pt/images/profile.png"↵
318.                 alt="profile picture" class="rounded-circle">↵
319.             <div class="d-flex flex-wrap">↵
320.                 <a href="http://lbaw2152.lbaw-
prod.fe.up.pt/user/76/profile">↵
321.                     <span>Dudley</span>↵
322.                 </a> <!-- Username -->↵
323.                 <span> 17-04-2020 00:00 </span> <!-- Date -
->↵
324.             </div>↵
325.         </div>↵
326.         </footer>↵
327.     </div>↵
328.     <div class="counts-mobile">↵
329.         <div>0 answers</div>↵
330.         <div>0 votes</div>↵
331.     </div>↵
332. </article>↵
333. <article class="question-preview card flex-row align-items-center">↵
334.     <div class="counts">↵
335.         <div>0</div>↵
336.         <div>answers</div>↵
337.     </div>↵
338.     <div class="counts">↵
339.         <div>0</div>↵
340.         <div>votes</div>↵
341.     </div>↵
342.     <div class="card-body">↵
343.         <header class="card-header">↵
344.             ↵
345.             <div class="question-header d-flex align-items-center">↵
346.                 ↵
347.                 <!-- Mobile Question details -->↵
348.                 <div class="d-none question-details d-flex mb-3">↵
349.                     <!-- Courses -->↵
350.                     <span class="category course badge rounded-pill bg-
secondary m-2">↵
351.                         <i class="fas fa-graduation-cap"></i>↵
352.                         MIEIC↵
353.                     </span>↵
354.                 </div>↵
355.                 ↵
356.                 <!-- Question Title -->↵
357.                 <h4 class="card-title flex-grow-1"><a
href="/question/16/view">Data for simple TSP</a>↵
358.                 </h4>↵
359.                 ↵
360.                 <!-- Desktop Question details -->↵
361.                 <div class="question-details d-flex">↵
362.                     <!-- Courses -->↵
363.                     <span class="category course badge rounded-pill bg-
secondary m-2">↵
364.                         <i class="fas fa-graduation-cap"></i>↵
365.                         MIEIC↵
366.                     </span>↵
367.                 </div>↵
368.             </div>↵
369.         </header>↵
370.         ↵
371.         <div class="limited-text-3 md-remove">↵
372.             I wrote a simple genetic algorithm that can solve traveling
salesman problem with 5 cities.↵
373.             I want to see how it does on a problem with more cities, something like
10, 25, 50, 100, but I cant find a sample date for the problem to try
it on. Basically, I am looking for 2D lists or matrices with distances

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between cities. It would be nice if there is a solution. Where should I look?

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374.     </div>
375.
376.     <!-- Tags and User -->
377.     <footer class="d-flex align-items-center flex-wrap">
378.         <div class="flex-grow-1 mb-1">
379.             <div class="question-tags">
380.                 <span class="category tag badge bg-secondary">
381.                     <i class="fas fa-hashtag"></i>
382.                     Numerical Methods
383.                 </span>
384.             </div>
385.
386.
387.         </div>
388.         <div class="question-author d-inline-flex
align-items-center">
389.             
392.             <div class="d-flex flex-wrap">
393.                 <a href="http://lbaw2152.lbaw-
prod.fe.up.pt/user/46/profile">
394.                     <span>Gay</span>
395.                 </a> <!-- Username -->
396.                 <span> 01-03-2020 00:00 </span> <!-- Date -
->
397.             </div>
398.         </div>
399.     </footer>
400. </div>
401. <div class="counts-mobile">
402.     <div>0 answers</div>
403.     <div>0 votes</div>
404. </div>
405. </article>
406. <article class="question-preview card flex-row align-items-center">
407.     <div class="counts">
408.         <div>0</div>
409.         <div>answers</div>
410.     </div>
411.     <div class="counts">
412.         <div>0</div>
413.         <div>votes</div>
414.     </div>
415.     <div class="card-body">
416.         <header class="card-header">
417.
418.             <div class="question-header d-flex align-items-center">
419.
420.                 <!-- Mobile Question details -->
421.                 <div class="d-none question-details d-flex mb-3">
422.                     <!-- Courses -->
423.                     <span class="category course badge rounded-pill bg-
secondary m-2">
424.                         <i class="fas fa-graduation-cap"></i>
425.                         MIEIC
426.                     </span>
427.                 </div>
428.
429.                 <!-- Question Title -->
430.                 <h4 class="card-title flex-grow-1"><a
href="/question/15/view">Understanding simulated annealing-
conceptually</a>
431.                 </h4>
432.
433.                 <!-- Desktop Question details -->
434.                 <div class="question-details d-flex">
435.                     <!-- Courses -->
436.                     <span class="category course badge rounded-pill bg-
secondary m-2">
437.                         <i class="fas fa-graduation-cap"></i>
438.                         MIEIC

```



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439. </span>↵
440.         </div>↵
441.     </div>↵
442. </header>↵
443. ↵
444.     <div class="limited-text-3 md-remove">↵
445.         ↵
446. i have just been introduced to simulated annealing and would like to
understand it better before delving into the code again as I feel like
I dont quite get it despite reading the code from the resources I have
so far. So please feel free to correct my current understanding of the
algorithm:↵
447.     Simulated annealing algorithm has an overall goal of achieving the
minimum(or maximum) score based on...↵
448.     </div>↵
449. ↵
450.     <!-- Tags and User -->↵
451.     <footer class="d-flex align-items-center flex-wrap">↵
452.         <div class="flex-grow-1 mb-1">↵
453.             <div class="question-tags">↵
454.                 <span class="category tag badge bg-secondary">↵
455.                     <i class="fas fa-hashtag"></i>↵
456.                     Numerical Methods↵
457.                 </span>↵
458.             </div>↵
459. ↵
460. ↵
461.         </div>↵
462.         <div class="question-author d-inline-flex
align-items-center">↵
463.             <img↵
464.                 src="http://lbaw2152.lbaw-
prod.fe.up.pt/images/profile.png"↵
465.                 alt="profile picture" class="rounded-circle">↵
466.             <div class="d-flex flex-wrap">↵
467.                 <a href="http://lbaw2152.lbaw-
prod.fe.up.pt/user/34/profile">↵
468.                     <span>Monroe</span>↵
469.                 </a> <!-- Username -->↵
470.                 <span> 13-12-2020 00:00 </span> <!-- Date -
->↵
471.             </div>↵
472.         </div>↵
473.         </footer>↵
474.     </div>↵
475.     <div class="counts-mobile">↵
476.         <div>0 answers</div>↵
477.         <div>0 votes</div>↵
478.     </div>↵
479. </article>↵
480. <article class="question-preview card flex-row align-items-center">↵
481.     <div class="counts">↵
482.         <div>1</div>↵
483.         <div>answers</div>↵
484.     </div>↵
485.     <div class="counts">↵
486.         <div>0</div>↵
487.         <div>votes</div>↵
488.     </div>↵
489.     <div class="card-body">↵
490.         <header class="card-header">↵
491.             ↵
492.             <div class="question-header d-flex align-items-center">↵
493.                 ↵
494.                 <!-- Mobile Question details -->↵
495.                 <div class="d-none question-details d-flex mb-3">↵
496.                     <!-- Courses -->↵
497.                     <span class="category course badge rounded-pill bg-
secondary m-2">↵
498.                         <i class="fas fa-graduation-cap"></i>↵
499.                         MIEIC↵
500.                     </span>↵
501.                 </div>↵
502.                 ↵
503.                 <!-- Question Title -->↵

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504.         <h4 class="card-title flex-grow-1"><a
href="/question/14/view">What are good examples of genetic
algorithms/genetic programming solutions?</a>
505.         </h4>
506.     ↵
507.         <!-- Desktop Question details -->
508.         <div class="question-details d-flex">
509.             <!-- Courses -->
510.             <span class="category course badge rounded-pill bg-
secondary m-2">
511.                 <i class="fas fa-graduation-cap"></i>
512.                 MIEIC
513.             </span>
514.             </div>
515.         </div>
516.     </header>
517.     ↵
518.     <div class="limited-text-3 md-remove">
519.         Id like to know about specific problems you have solved
using GA/GP and what libraries/frameworks you used if you didnt roll
your own.
520.     Questions:
521.         What problems have you used GA/GP to solve?
522.         What libraries/frameworks did you use?
523.     Im looking for first-hand experiences, so please do not answer unless
you have that.
524.     </div>
525.     ↵
526.     <!-- Tags and User -->
527.     <footer class="d-flex align-items-center flex-wrap">
528.         <div class="flex-grow-1 mb-1">
529.             <div class="question-tags">
530.                 <span class="category tag badge bg-secondary">
531.                     <i class="fas fa-hashtag"></i>
532.                     Numerical Methods
533.                 </span>
534.             </div>
535.         ↵
536.         ↵
537.             </div>
538.             <div class="question-author d-inline-flex
align-items-center">
539.                 
542.                 <div class="d-flex flex-wrap">
543.                     <a href="http://lbaw2152.lbaw-
prod.fe.up.pt/user/29/profile">
544.                         <span>Buck</span>
545.                     </a> <!-- Username -->
546.                     <span> 01-11-2020 00:00 </span> <!-- Date -
->
547.                 </div>
548.             </div>
549.             </footer>
550.         </div>
551.         <div class="counts-mobile">
552.             <div>1 answers</div>
553.             <div>0 votes</div>
554.         </div>
555.     </article>
556.     <article class="question-preview card flex-row align-items-center">
557.         <div class="counts">
558.             <div>0</div>
559.             <div>answers</div>
560.         </div>
561.         <div class="counts">
562.             <div>0</div>
563.             <div>votes</div>
564.         </div>
565.         <div class="card-body">
566.             <header class="card-header">
567.                 ↵
568.                 <div class="question-header d-flex align-items-center">

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569.  ␣
570.      <!-- Mobile Question details -->␣
571.      <div class="d-none question-details d-flex mb-3">␣
572.          <!-- Courses -->␣
573.          <span class="category course badge rounded-pill bg-
secondary m-2">␣
574.              <i class="fas fa-graduation-cap"></i>␣
575.              MIEEC␣
576.          </span>␣
577.      </div>␣
578.  ␣
579.      <!-- Question Title -->␣
580.      <h4 class="card-title flex-grow-1"><a
href="/question/13/view">Genetic Algorithms - Crossover and Mutation
operators for paths</a>␣
581.          </h4>␣
582.  ␣
583.      <!-- Desktop Question details -->␣
584.      <div class="question-details d-flex">␣
585.          <!-- Courses -->␣
586.          <span class="category course badge rounded-pill bg-
secondary m-2">␣
587.              <i class="fas fa-graduation-cap"></i>␣
588.              MIEEC␣
589.          </span>␣
590.      </div>␣
591.  </div>␣
592.  </header>␣
593.  ␣
594.      <div class="limited-text-3 md-remove">␣
595.          I was wondering if anyone knew any intuitive crossover and
mutation operators for paths within a graph? Thanks!␣
596.      </div>␣
597.  ␣
598.      <!-- Tags and User -->␣
599.      <footer class="d-flex align-items-center flex-wrap">␣
600.          <div class="flex-grow-1 mb-1">␣
601.              <div class="question-tags">␣
602.                  <span class="category tag badge bg-secondary">␣
603.                      <i class="fas fa-hashtag"></i>␣
604.                      Economy␣
605.                  </span>␣
606.              </div>␣
607.  ␣
608.  ␣
609.      </div>␣
610.      <div class="question-author d-inline-flex
align-items-center">␣
611.          <img␣
612.              src="http://lbaw2152.lbaw-
prod.fe.up.pt/images/profile.png"␣
613.              alt="profile picture" class="rounded-circle">␣
614.          <div class="d-flex flex-wrap">␣
615.              <a href="http://lbaw2152.lbaw-
prod.fe.up.pt/user/25/profile">␣
616.                  <span>Lara</span>␣
617.              </a> <!-- Username -->␣
618.              <span> 01-09-2020 00:00 </span> <!-- Date -
->␣
619.          </div>␣
620.      </div>␣
621.      </footer>␣
622.  </div>␣
623.  <div class="counts-mobile">␣
624.      <div>0 answers</div>␣
625.      <div>0 votes</div>␣
626.  </div>␣
627. </article>␣
628. <article class="question-preview card flex-row align-items-center">␣
629.     <div class="counts">␣
630.         <div>0</div>␣
631.         <div>answers</div>␣
632.     </div>␣
633.     <div class="counts">␣
634.         <div>0</div>␣

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635.         <div>votes</div>↵
636.     </div>↵
637.     <div class="card-body">↵
638.         <header class="card-header">↵
639.     ↵
640.         <div class="question-header d-flex align-items-center">↵
641.     ↵
642.             <!-- Mobile Question details -->↵
643.             <div class="d-none question-details d-flex mb-3">↵
644.                 <!-- Courses -->↵
645.                 <span class="category course badge rounded-pill bg-
secondary m-2">↵
646.                     <i class="fas fa-graduation-cap"></i>↵
647.                     MIEB↵
648.                 </span>↵
649.             </div>↵
650.     ↵
651.             <!-- Question Title -->↵
652.             <h4 class="card-title flex-grow-1"><a
href="/question/12/view">Can you modify RNA?</a>↵
653.             </h4>↵
654.     ↵
655.             <!-- Desktop Question details -->↵
656.             <div class="question-details d-flex">↵
657.                 <!-- Courses -->↵
658.                 <span class="category course badge rounded-pill bg-
secondary m-2">↵
659.                     <i class="fas fa-graduation-cap"></i>↵
660.                     MIEB↵
661.                 </span>↵
662.             </div>↵
663.         </div>↵
664.     </header>↵
665.     ↵
666.     <div class="limited-text-3 md-remove">↵
667.         I have a pratical work to my biology class and i had to
question this↵
668.     </div>↵
669.     ↵
670.     <!-- Tags and User -->↵
671.     <footer class="d-flex align-items-center flex-wrap">↵
672.         <div class="flex-grow-1 mb-1">↵
673.             <div class="question-tags">↵
674.                 <span class="category tag badge bg-secondary">↵
675.                     <i class="fas fa-hashtag"></i>↵
676.                     Chemistry↵
677.                 </span>↵
678.             </div>↵
679.     ↵
680.     ↵
681.         </div>↵
682.         <div class="question-author d-inline-flex
align-items-center">↵
683.             <img↵
684.                 src="http://lbaw2152.lbaw-
prod.fe.up.pt/images/profile.png"↵
685.                 alt="profile picture" class="rounded-circle">↵
686.             <div class="d-flex flex-wrap">↵
687.                 <a href="http://lbaw2152.lbaw-
prod.fe.up.pt/user/21/profile">↵
688.                     <span>Wise</span>↵
689.                 </a> <!-- Username -->↵
690.                 <span> 10-01-2021 00:00 </span> <!-- Date -
->↵
691.             </div>↵
692.         </div>↵
693.     </footer>↵
694. </div>↵
695. <div class="counts-mobile">↵
696.     <div>0 answers</div>↵
697.     <div>0 votes</div>↵
698. </div>↵
699. </article>↵
700. <article class="question-preview card flex-row align-items-center">↵
701.     <div class="counts">↵

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702.         <div>0</div>↵
703.         <div>answers</div>↵
704.     </div>↵
705.     <div class="counts">↵
706.         <div>0</div>↵
707.         <div>votes</div>↵
708.     </div>↵
709.     <div class="card-body">↵
710.         <header class="card-header">↵
711. ↵
712.             <div class="question-header d-flex align-items-center">↵
713. ↵
714.                 <!-- Mobile Question details -->↵
715.                 <div class="d-none question-details d-flex mb-3">↵
716.                     <!-- Courses -->↵
717.                     <span class="category course badge rounded-pill bg-
secondary m-2">↵
718.                         <i class="fas fa-graduation-cap"></i>↵
719.                         MIEEC↵
720.                     </span>↵
721.                 </div>↵
722. ↵
723.                 <!-- Question Title -->↵
724.                 <h4 class="card-title flex-grow-1"><a
href="/question/11/view">drawing individuals parameters in mlogit</a>↵
725.                 </h4>↵
726. ↵
727.                 <!-- Desktop Question details -->↵
728.                 <div class="question-details d-flex">↵
729.                     <!-- Courses -->↵
730.                     <span class="category course badge rounded-pill bg-
secondary m-2">↵
731.                         <i class="fas fa-graduation-cap"></i>↵
732.                         MIEEC↵
733.                     </span>↵
734.                 </div>↵
735.             </div>↵
736.         </header>↵
737. ↵
738.         <div class="limited-text-3 md-remove">↵
739. ↵
740. I am analyzing a conjoint survey with a mixed logit model through R
with mlogit.↵
741. Im wondering if there is any function that gives me parameters for
individual respondents, like mixlbeta from STATA. (Im trying to work on
a simulation) Ive read the documentation by Croissant and seems like
there is no specific function for that matter?↵
742. Am I missing something? or would you be kind enough to share yo...↵
743.     </div>↵
744. ↵
745.     <!-- Tags and User -->↵
746.     <footer class="d-flex align-items-center flex-wrap">↵
747.         <div class="flex-grow-1 mb-1">↵
748.             <div class="question-tags">↵
749.                 <span class="category tag badge bg-secondary">↵
750.                     <i class="fas fa-hashtag"></i>↵
751.                     Economy↵
752.                 </span>↵
753.             </div>↵
754. ↵
755. ↵
756.         </div>↵
757.         <div class="question-author d-inline-flex
align-items-center">↵
758.             <img↵
759.                 src="http://lbaw2152.lbaw-
prod.fe.up.pt/images/profile.png"↵
760.                 alt="profile picture" class="rounded-circle">↵
761.             <div class="d-flex flex-wrap">↵
762.                 <a href="http://lbaw2152.lbaw-
prod.fe.up.pt/user/20/profile">↵
763.                     <span>Emerson</span>↵
764.                 </a> <!-- Username -->↵
765.                 <span> 25-03-2021 00:00 </span> <!-- Date -
->↵

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766.     </div>↵
767. </div>↵
768.             </footer>↵
769.     </div>↵
770.     <div class="counts-mobile">↵
771.         <div>0 answers</div>↵
772.         <div>0 votes</div>↵
773.     </div>↵
774. </article>↵
775. <article class="question-preview card flex-row align-items-center">↵
776.     <div class="counts">↵
777.         <div>0</div>↵
778.         <div>answers</div>↵
779.     </div>↵
780.     <div class="counts">↵
781.         <div>0</div>↵
782.         <div>votes</div>↵
783.     </div>↵
784.     <div class="card-body">↵
785.         <header class="card-header">↵
786. ↵
787.             <div class="question-header d-flex align-items-center">↵
788. ↵
789.                 <!-- Mobile Question details -->↵
790.                 <div class="d-none question-details d-flex mb-3">↵
791.                     <!-- Courses -->↵
792.                     <span class="category course badge rounded-pill bg-
secondary m-2">↵
793.                         <i class="fas fa-graduation-cap"></i>↵
794.                         MIEEC↵
795.                     </span>↵
796.                 </div>↵
797. ↵
798.                 <!-- Question Title -->↵
799.                 <h4 class="card-title flex-grow-1"><a
href="/question/10/view">How to draw the Stack Overflow icon with TikZ?
</a>↵
800.                     </h4>↵
801. ↵
802.                 <!-- Desktop Question details -->↵
803.                 <div class="question-details d-flex">↵
804.                     <!-- Courses -->↵
805.                     <span class="category course badge rounded-pill bg-
secondary m-2">↵
806.                         <i class="fas fa-graduation-cap"></i>↵
807.                         MIEEC↵
808.                     </span>↵
809.                 </div>↵
810.             </div>↵
811.         </header>↵
812. ↵
813.         <div class="limited-text-3 md-remove">↵
814.             How would you draw the Stack Overflow icon with TikZ?↵
815.         </div>↵
816. ↵
817.         <!-- Tags and User -->↵
818.         <footer class="d-flex align-items-center flex-wrap">↵
819.             <div class="flex-grow-1 mb-1">↵
820.                 <div class="question-tags">↵
821.                     <span class="category tag badge bg-secondary">↵
822.                         <i class="fas fa-hashtag"></i>↵
823.                         Economy↵
824.                     </span>↵
825.                 </div>↵
826. ↵
827. ↵
828.             </div>↵
829.             <div class="question-author d-inline-flex
align-items-center">↵
830.                 <img↵
831.                     src="http://lbaw2152.lbaw-
prod.fe.up.pt/images/profile.png"↵
832.                     alt="profile picture" class="rounded-circle">↵
833.                 <div class="d-flex flex-wrap">↵

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834.         <a href="http://lbaw2152.lbaw-
prod.fe.up.pt/user/16/profile">
835.             <span>Briggs</span>
836.         </a> <!-- Username -->
837.             <span> 08-03-2021 00:00 </span> <!-- Date -
->
838.         </div>
839.     </div>
840.         </footer>
841.     </div>
842.     <div class="counts-mobile">
843.         <div>0 answers</div>
844.         <div>0 votes</div>
845.     </div>
846. </article>
847. <article class="question-preview card flex-row align-items-center">
848.     <div class="counts">
849.         <div>0</div>
850.         <div>answers</div>
851.     </div>
852.     <div class="counts">
853.         <div>0</div>
854.         <div>votes</div>
855.     </div>
856.     <div class="card-body">
857.         <header class="card-header">
858.             <div class="question-header d-flex align-items-center">
859.                 <!-- Mobile Question details -->
860.                 <div class="d-none question-details d-flex mb-3">
861.                     <!-- Courses -->
862.                     <span class="category course badge rounded-pill bg-
secondary m-2">
863.                         <i class="fas fa-graduation-cap"></i>
864.                         MIEEC
865.                     </span>
866.                 </div>
867.                 <!-- Question Title -->
868.                 <h4 class="card-title flex-grow-1"><a
href="/question/9/view">How to build like a feup engineer?</a>
869.                 </h4>
870.                 <!-- Desktop Question details -->
871.                 <div class="question-details d-flex">
872.                     <!-- Courses -->
873.                     <span class="category course badge rounded-pill bg-
secondary m-2">
874.                         <i class="fas fa-graduation-cap"></i>
875.                         MIEEC
876.                     </span>
877.                 </div>
878.                 </div>
879.                 </div>
880.             </header>
881.             <div class="limited-text-3 md-remove">
882.                 I wanna know which engineers built the feup bridge that is
883.                 always bouncing. Tó ferreira already explained something but i want to
884.                 know more
885.             </div>
886.             <!-- Tags and User -->
887.             <footer class="d-flex align-items-center flex-wrap">
888.                 <div class="flex-grow-1 mb-1">
889.                     <div class="question-tags">
890.                         <span class="category tag badge bg-secondary">
891.                             <i class="fas fa-hashtag"></i>
892.                             Economy
893.                         </span>
894.                     </div>
895.                 </div>
896.             </div>
897.             </div>
898.         </div>
899.     </div>
900. </div>

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901.         <div class="question-author d-inline-flex
align-items-center">␣
902.             <img␣
903.                 src="http://lbaw2152.lbaw-
prod.fe.up.pt/images/profile.png"␣
904.                 alt="profile picture" class="rounded-circle">␣
905.                 <div class="d-flex flex-wrap">␣
906.                     <a href="http://lbaw2152.lbaw-
prod.fe.up.pt/user/75/profile">␣
907.                         <span>Serrano</span>␣
908.                     </a> <!-- Username -->␣
909.                     <span> 11-03-2021 00:00 </span> <!-- Date -
->␣
910.                 </div>␣
911.             </div>␣
912.                 </footer>␣
913.         </div>␣
914.         <div class="counts-mobile">␣
915.             <div>0 answers</div>␣
916.             <div>0 votes</div>␣
917.         </div>␣
918.     </article>␣
919.     <article class="question-preview card flex-row align-items-center">␣
920.         <div class="counts">␣
921.             <div>1</div>␣
922.             <div>answers</div>␣
923.         </div>␣
924.         <div class="counts">␣
925.             <div>0</div>␣
926.             <div>votes</div>␣
927.         </div>␣
928.         <div class="card-body">␣
929.             <header class="card-header">␣
930.                 ␣
931.                 <div class="question-header d-flex align-items-center">␣
932.                     ␣
933.                     <!-- Mobile Question details -->␣
934.                     <div class="d-none question-details d-flex mb-3">␣
935.                         <!-- Courses -->␣
936.                         <span class="category course badge rounded-pill bg-
secondary m-2">␣
937.                             <i class="fas fa-graduation-cap"></i>␣
938.                             MIEC␣
939.                         </span>␣
940.                     </div>␣
941.                     ␣
942.                     <!-- Question Title -->␣
943.                     <h4 class="card-title flex-grow-1"><a
href="/question/8/view">Learning SQL. Where to get started?</a>␣
944.                     </h4>␣
945.                     ␣
946.                     <!-- Desktop Question details -->␣
947.                     <div class="question-details d-flex">␣
948.                         <!-- Courses -->␣
949.                         <span class="category course badge rounded-pill bg-
secondary m-2">␣
950.                             <i class="fas fa-graduation-cap"></i>␣
951.                             MIEC␣
952.                         </span>␣
953.                     </div>␣
954.                     </div>␣
955.                 </header>␣
956.                 ␣
957.                 <div class="limited-text-3 md-remove">␣
958.                     I want to start learning sql? Where should I get started
from? I am looking specific answers for: Platform - Windows/ Linux
RDBMS - MSSQL/ Oracle/ MySQL Books - that goes along with some real
world case studies (not the boring author/books relationship) Online
resources - tutorials/ real world projects␣
959.                 </div>␣
960.                 ␣
961.                 <!-- Tags and User -->␣
962.                 <footer class="d-flex align-items-center flex-wrap">␣
963.                     <div class="flex-grow-1 mb-1">␣
964.                         <div class="question-tags">␣

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965.         <span class="category tag badge bg-secondary">↵
966.         <i class="fas fa-hashtag"></i>↵
967.         php↵
968.     </span>↵
969. </div>↵
970. ↵
971. ↵
972.         </div>↵
973.         <div class="question-author d-inline-flex
align-items-center">↵
974.             <img↵
975.             src="http://lbaw2152.lbaw-
prod.fe.up.pt/images/profile.png">↵
976.             alt="profile picture" class="rounded-circle">↵
977.             <div class="d-flex flex-wrap">↵
978.                 <a href="http://lbaw2152.lbaw-
prod.fe.up.pt/user/98/profile">↵
979.                     <span>Wyatt</span>↵
980.                 </a> <!-- Username -->↵
981.                 <span> 27-02-2021 00:00 </span> <!-- Date -
->↵
982.             </div>↵
983.         </div>↵
984.         </footer>↵
985.     </div>↵
986.     <div class="counts-mobile">↵
987.         <div>1 answers</div>↵
988.         <div>0 votes</div>↵
989.     </div>↵
990. </article>↵
991. <nav>↵
992.     <ul class="pagination">↵
993.         ↵
994.         <li class="page-item disabled" aria-
disabled="true">↵
995.             <span class="page-link">&laquo; Previous</span>↵
996.         </li>↵
997.         ↵
998.         ↵
999.         <li class="page-item">↵
1000.             <a class="page-link" href="http://lbaw2152.lbaw-
prod.fe.up.pt/search?page=2" rel="next">Next &raquo;</a>↵
1001.         </li>↵
1002.     </ul>↵
1003. </nav>↵
1004. </div>↵
1005. </div>↵
1006. </section>↵
1007. </main>↵
1008. <footer class="pt-5 pb-3">↵
1009.     <nav class="row container m-auto">↵
1010.         <div class="col-6 col-md">↵
1011.             <h5>Who we are</h5>↵
1012.             <ul class="list-unstyled text-small">↵
1013.                 <li><a class="link-secondary"
href="http://lbaw2152.lbaw-prod.fe.up.pt">Home</a></li>↵
1014.                 <li><a class="link-secondary"
href="http://lbaw2152.lbaw-prod.fe.up.pt/about">About us</a></li>↵
1015.             </ul>↵
1016.         </div>↵
1017.         <div class="col-6 col-md">↵
1018.             <h5>Authentication</h5>↵
1019.             <ul class="list-unstyled text-small">↵
1020.                 ↵
1021.                 <li><a class="link-secondary"
href="/user/102/profile">Profile</a></li>↵
1022.             </ul>↵
1023.         </div>↵
1024.         <div class="col-6 col-md">↵
1025.             <h5>Features</h5>↵
1026.             <ul class="list-unstyled text-small">↵
1027.                 <li><a class="link-secondary"
href="http://lbaw2152.lbaw-prod.fe.up.pt/search">Search Questions</a>
</li>↵

```

```
1028.         <li><a class="link-secondary"
href="http://lbaw2152.lbaw-prod.fe.up.pt/question/add">Add Question</a>
</li>↵
1029.         </ul>↵
1030.     </div>↵
1031. ↵
1032.     ↵
1033.     <div class="col-6 col-md">↵
1034.         <h5>Management</h5>↵
1035.         <ul class="list-unstyled text-small">↵
1036.             <li><a class="link-secondary"
href="http://lbaw2152.lbaw-prod.fe.up.pt/admin/tags">Manage Tags</a>
</li>↵
1037.             <li><a class="link-secondary"
href="http://lbaw2152.lbaw-prod.fe.up.pt/admin/courses">Manage
Courses</a></li>↵
1038.             <li><a class="link-secondary"
href="http://lbaw2152.lbaw-prod.fe.up.pt/admin/reports">Manage
Reports</a></li>↵
1039.             <li><a class="link-secondary"
href="http://lbaw2152.lbaw-prod.fe.up.pt/admin/user">Manage Users</a>
</li>↵
1040.         </ul>↵
1041.     </div>↵
1042. </nav>↵
1043. </footer>↵
1044. </body>↵
1045. </html>
```

Used the HTML parser.

Total execution time 43 milliseconds.

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