

Wikipedia List of Algorithms

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0.1 List of algorithm problems as mentioned on wikipedia page:

I found the page https://en.wikipedia.org/wiki/List_of_algorithms, that claims to list the algorithms. I will try to extract the table of contents here:

0.1.1 Collect the list of Algorithms from wikipedia:

```
In [2]: import urllib2

        from bs4 import BeautifulSoup

        url = "https://en.wikipedia.org/wiki/List_of_algorithms"

        page = urllib2.urlopen(url)

        soup = BeautifulSoup(page, "html5lib")

        toc = soup.find(id="toc").find_all("li")

        toc_text = [tc.find("a").find(class_="toctext").string for tc in toc]

        toc_link = [tc.find("a")["href"] for tc in toc]

        toc_link2 = [url+ext for ext in toc_link]

        from IPython.core.display import display, HTML

        html_string = ['<li>' + '<a href="' + toc_link2[i] + '>' + toc_text[i] + '</a>' + '</li>']

        html_string2 = '<ol>' + ''.join(html_string) + '</ol>'

In [3]: display(HTML(html_string2))

<IPython.core.display.HTML object>
```