**OPEN SOURCE SOFTWARE NOTICE**

The open source software notice for the open source software used in this openEuler distribution (“openEuler distribution”) is provided in this document. The open source software licenses are granted by the respective right holders. With regard to the respective open source software contained in the openEuler distribution, the applicable open source software license will prevail all other license agreement, including but not limited to the openEuler Software License, in case of any conflicts.

**Warranty Disclaimer**

**THE OPEN SOURCE SOFTWARE IN THIS OPENEULER DISTRIBUTION IS PROVIDED ON AN "AS IS" BASIS, WITHOUT ANY WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.  
See the applicable licenses for more details.**

**Copyright Notice and License Texts**

**Software:** pyparsing 3.2.0

**Copyright notice:**

Copyright 2007, 2023 by Paul McGuire  
Copyright 2012, 2019 Paul T. McGuire  
Copyright 2004, Paul McGuire from pyparsing import makeHTMLTags, pyparsingcommon as ppc from urllib.request import urlopen import pprint  
Copyright 2006, by Paul McGuire  
copyright 2006, Paul McGuire  
Copyright (c) 2003,2016, Paul McGuire  
Copyright 2012, Paul T. McGuire  
Copyright 2006, Paul McGuire  
Copyright 2011, Paul McGuire Updated 2023  
Copyright (c) 2004, Paul McGuire  
Copyright 2004-2010, by Paul McGuire September, 2010 - updated to more current use of setResultsName, new NIST URL  
Copyright, 2006, by Paul McGuire  
Copyright (c) 2024, Paul McGuire  
Copyright (c) 2006,2016 Paul McGuire  
Copyright, 2007 - Paul McGuire  
Copyright 1989 by Carnegie Mellon University  
Copyright 2020, Paul McGuire  
Copyright (c) 2006, Paul McGuire  
Copyright 2004-2016, by Paul McGuire  
Copyright 2023, Paul McGuire  
Copyright 2011,2015 Paul T. McGuire  
Copyright 2010, 2019 by Paul McGuire  
Copyright (c) 2004, 2006 Paul McGuire  
Copyright, 2012 - Paul McGuire  
Copyright 2018, Paul McGuire  
Copyright 2004, Paul McGuire from collections import Counter import pprint from urllib.request import urlopen  
Copyright, 2010, Paul McGuire  
Copyright 2005-2006, Paul McGuire  
Copyright (c) 2006, 2019, Paul McGuire  
Copyright (c) 2004-2011 Paul T. McGuire. All rights reserved.  
Copyright 2024, by Paul McGuire  
Copyright (c) 2003, Paul McGuire  
Copyright 2008, Paul McGuire  
Copyright (c) 2003,2019 Paul McGuire  
Copyright (c) 2004-2016, Paul McGuire  
Copyright 2004, by Alberto Santini http://www.albertosantini.it/chess  
Copyright 2024, Paul McGuire  
copyright 2018-2024, Paul T. McGuire  
Copyright 2007-2011, by Paul McGuire  
Copyright 2016, Paul McGuire  
Copyright 2021, Paul McGuire  
Copyright (c) 2016, Paul McGuire  
Copyright (c) 2003-2022 Paul T. McGuire  
Copyright 2003, 2019 by Paul McGuire  
Copyright 2003-2019 by Paul McGuire  
Copyright 2006, by Paul McGuire Updated 2013-Sep-14 - improved Python 2/3 cross-compatibility Updated 2021-Sep-27 - removed Py2 compat; added type annotations  
Copyright (c) 2018 Paul T. McGuire  
Copyright 2010, Paul McGuire  
Copyright 2019, Paul McGuire  
Copyright 2009, 2011 Paul McGuire  
Copyright (c) 2006, 2016, 2023, Paul McGuire  
Copyright 2015, Paul McGuire  
Copyright 2008, by Paul McGuire  
Copyright Paul McGuire, 2019  
Copyright (c) 2006, Estrate, the Netherlands All rights reserved.

**License:** MIT

MIT License  
  
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the " Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:  
  
The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.  
  
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.