

7. Some implications

See



Sanjeev Arora, Boaz Barak:

Computational Complexity — A Modern Approach,

p. 55–59, Cambridge University Press: Cambridge–New York–Melbourne, 2009

Also see



[Michael R. Garey, David S. Johnson:](#)

Computers and Intractability: A Guide to the Theory of \mathcal{NP} -completeness,
[W.H. Freeman and Company: New York-San Francisco, 1979](#)

and the websites (among many others)

[List of Complexity Classes \(Wikipedia\)](#)
[Complexity Zoo](#)
 [\$\mathcal{NP}\$ -complete Problems \(Wikipedia\)](#)
 [\$\mathcal{NP}\$ -completeness Columns](#)
[A Compendium of NP Optimization Problems](#)

7.1 \mathcal{NP} -complete problems cannot be sparse

See



Holenstein, Thomas

Complexity Theory,

p. 4–4, Script, ETH Zürich, 2010