

# [Q]: List of all possible reductions between NP problems

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  - *Date:* 31 Jan 2006 09:03:36 -0800
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Hi All,

We use reductions to prove that a problem is NP-Complete by reducing a known NP-complete problem to it. Once we prove that a problem 'A' is NP-complete by reducing an NP-complete problem 'B' which is already known.....the two problems will be in the same class.

For example:

SAT $\leq_p$  CNF  
CNF $\leq_p$  Clique

Is there a web resource that explain in detail all the possible polynomial reductions between the different problems?

Thanks,  
NPC.

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- *Follow-Ups:*
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    - ◇ *From:* Bryan Olson
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