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Title:	Study of Combinatorial Optimization
Authors:	Jhingonia, Anil Kumar (/jspui/browse?type=author&value=Jhingonia%2C+Anil+Kumar)
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Abstract:	The primal-dual method is a standard tool in the design of algorithms for combinato- rial optimization problems. It is a very powerful method. This method can be used to obtain a good approximation algorithm from which we can get a good combinatorial algorithm. It can also be used to prove good performance for combinatorial algo- rithms. Max- ow Min-cut is a very nice example of primal dual method. we would like to interpret its primal, then obtain its dual, interpret the dual and then prove the max- ow min-cut theorem using the strong duality.
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