

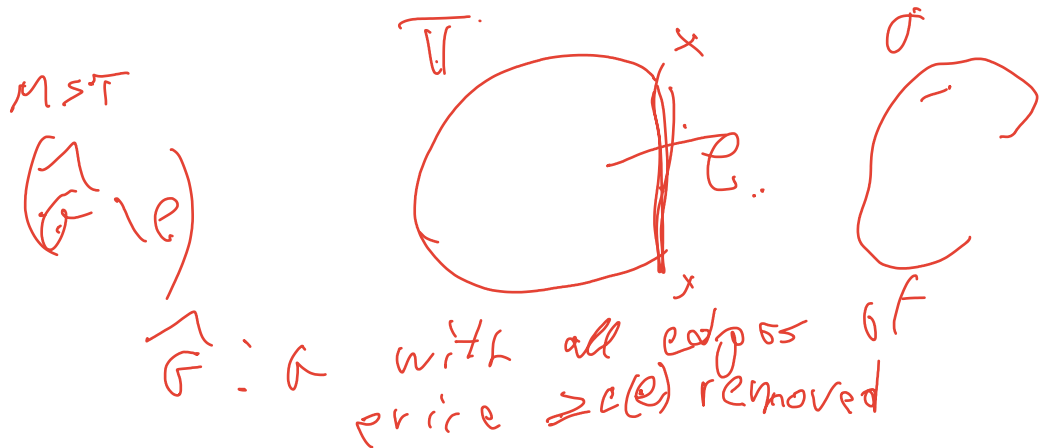
20.4.3

The unsafe edges are NOT in the MST

Cycle Property

Lemma 20.6.

If e is an unsafe edge then no MST of G contains e .



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If e is an unsafe edge then no **MST** of G contains e .

Proof.

Exercise. □

Note: Cut and Cycle properties hold even when edge costs are not distinct. Safe and unsafe definitions do not rely on distinct cost assumption.

THE END

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(for now)