5th Lab Session ORLAB - Operations Research Laboratory

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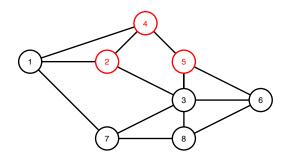
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Steiner Tree problem

Given a network topology G = (V, E), with edge costs $c_e \ge 0$, we have to connect a given subset of vertices $T \subset V$ with a tree of minimum cost.

Consider the topology given in the Figure below, and let T be $\{2,4,5\}$. Write the Integer Linear Programming formulation of this problem and solve the given instance (optimum value = 7).



Links and email

- ► Lab sessions web site: http://home.dei.polimi.it/gualandi/FRO-D
- E-mail: gualandi_at_elet.polimi.it
- ▶ La Fabbrica dei modelli: http://home.dei.polimi.it/gualandi/FRO-D
- Reference Guide to AMPL http://.../FRO-D/ampl_examples.pdf