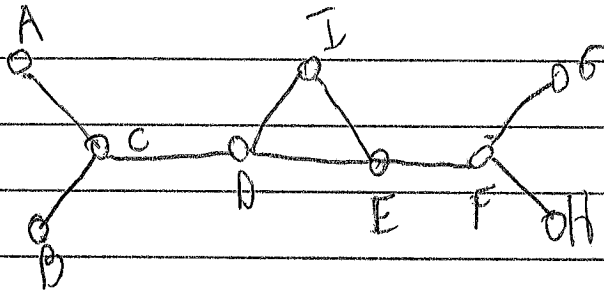


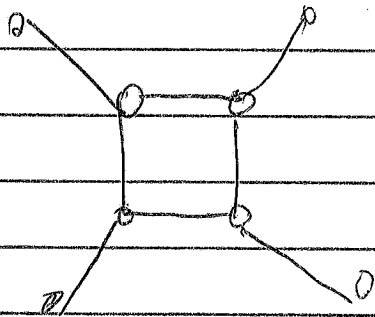
Kruskal alg.

Spanning tree



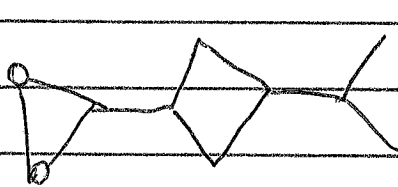
$$R = 9 - 8 = 1.$$

3 spanning trees.



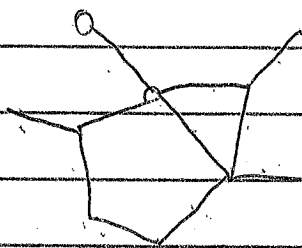
$$R = 1$$

4 spanning trees.



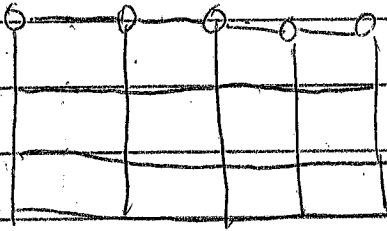
12 spanning trees

$$R = 10 - 8 = 2$$



$$3 + 3 + 3 + 3 = 12.$$

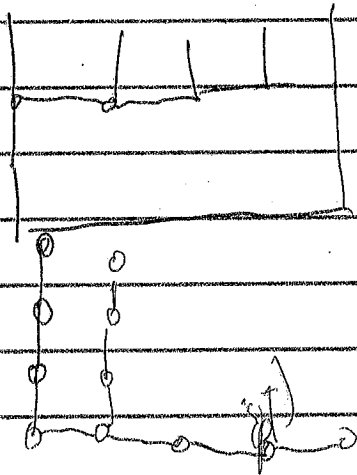
Kruskal's algorithm

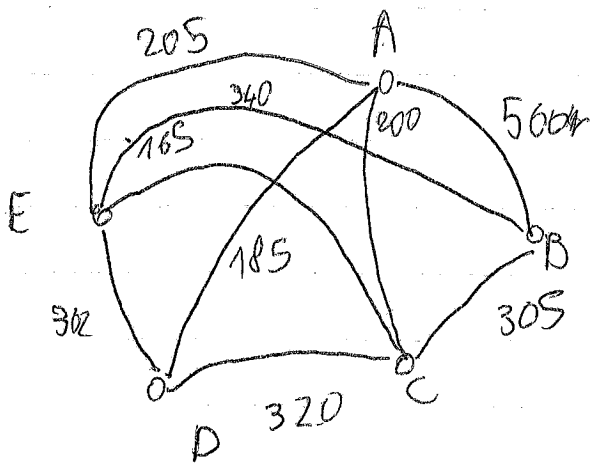


Do as in the cheapest link

- * choose (randomly) the cheapest edge to remove.
- * avoid circuits.

$$R = 31 - (16 + 15) = 20$$
$$= 11.$$





~~EB~~, AD, AC, EA, ED, CB.

