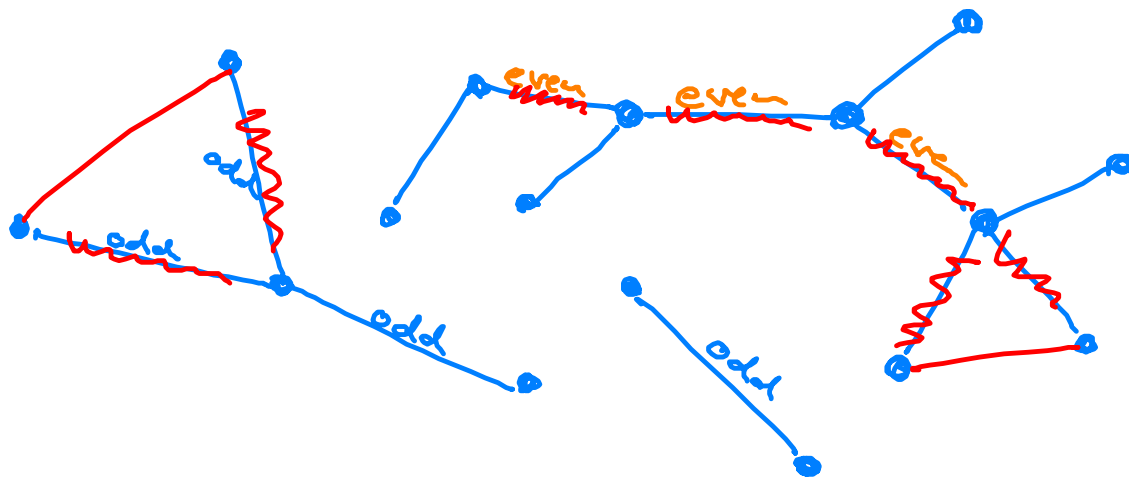
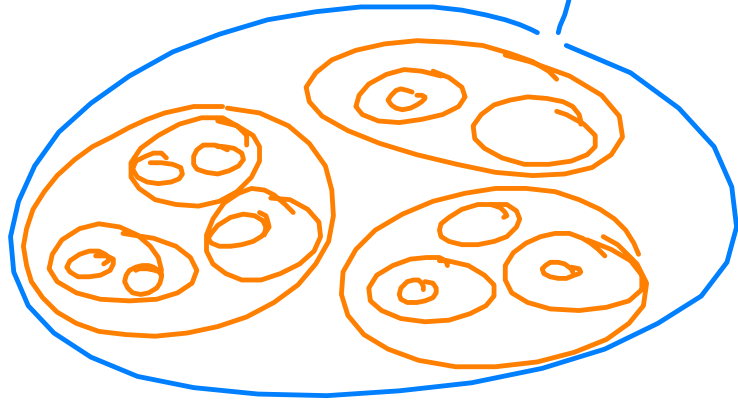


nested family

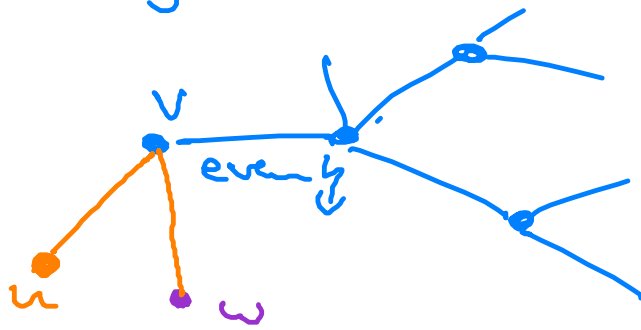


Proof of Lemma 13.31:

1) Delete all even edges.

2) Consider one of the remaining trees T and the tree T^* resulting from deleting all leaves of T .

Consider a leaf v of T^* . There was a leaf u of T adjacent to v .



There must have been another leaf w of T adjacent to v since there are no even edges.

\Rightarrow Replace $\{u, v\}$ and $\{w, v\}$ with $\{u, w\}$.

Iterate this process. \square