How safety factor drops if the roots are cut?



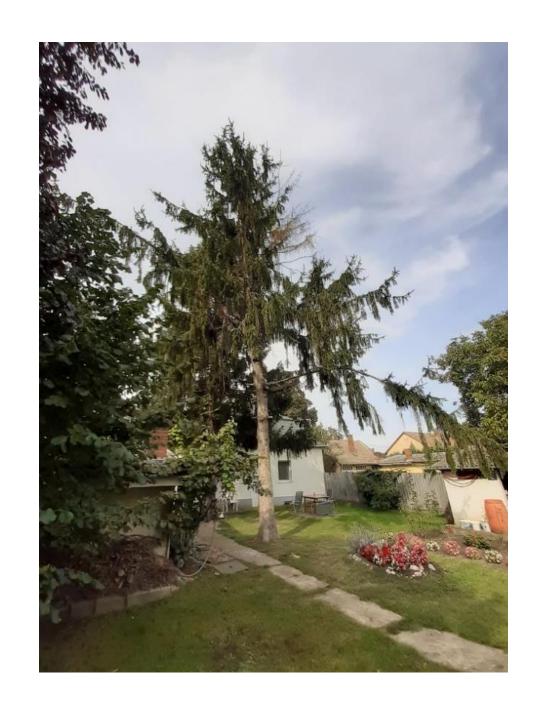
A brief case study by Tibor Horvath with Fakopp Pulling Test

The tree stood in a suburb garden.

The conditions indicated that it should be removed.

The removal was turned into a series of 6 experiments on how the tree loses its' stability as "losing" the main roots.

Safety factors for 33 m/s (cc. 120 km/h) were calculated.



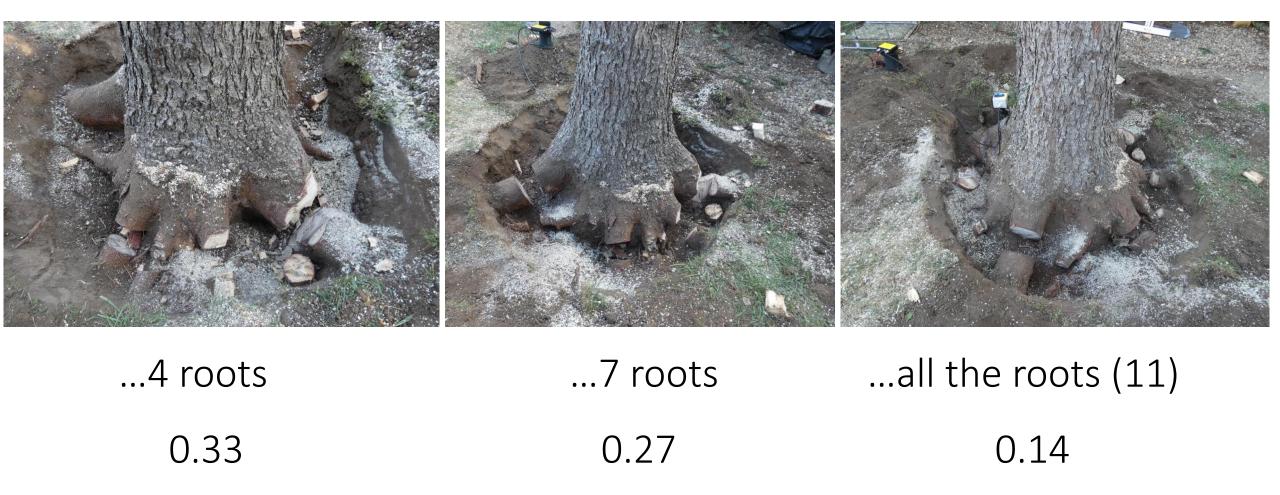
Cases and safety factors 1



Intact 1.19 Excavated 0.86

First cut (one cut)
0.61

Cases and safety factors 2 – After cutting...



Results

