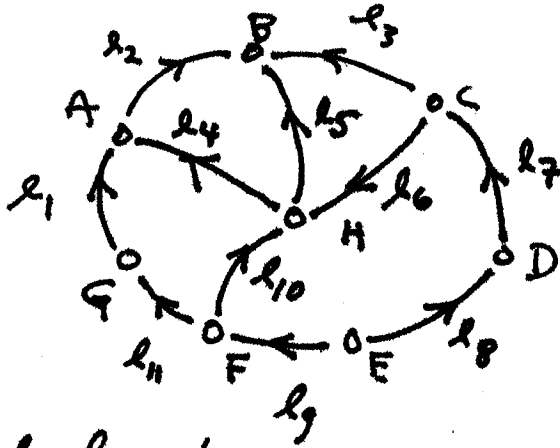


CE 506 Homework 1

assigned 1 Sept 06 - due 8 Sept.

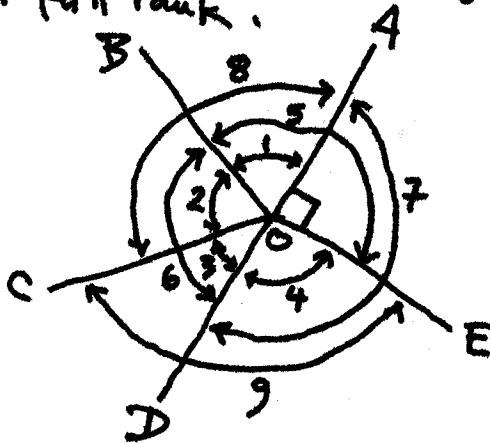
1. Give model elements n, n_0, r and write condition equations for observation only method. Extract coefficient matrix and confirm full rank.

level network



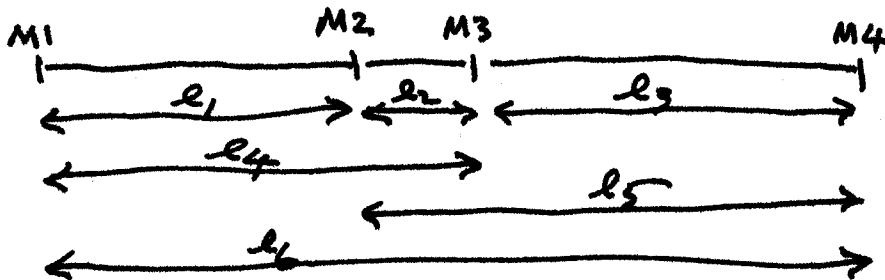
2. Give model elements n, n_0, r and write condition equations for observation only method for angle figure. Extract coefficient matrix and confirm full rank.

observations given by number only



note $\angle AOE$ is right angle

3. Interval times are observed as an object moves past 4 monuments, Adjust using least squares: observation only, by substitution, show n, n_0, r, v, \hat{l} .



- $l_1 = 5.00$ sec
- $l_2 = 2.00$
- $l_3 = 7.00$
- $l_4 = 7.20$
- $l_5 = 8.90$
- $l_6 = 14.10$