



SEMINARIUM MATEMATYKA DYSKRETNA

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YOU CAN'T ALWAYS GET WHAT YOU WANT...

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Not even when you are the Commissioner of the Czech National Soccer League!

The author has been scheduling the 16-team 2-leg regular season round-robin tournament for the CNSL for more than 15 years. Starting this coming season, the league has added a 6-team 1-leg post season tournament.

The league requirements were as follows, listed by decreasing priority:

- (1) No three consecutive home or away games for any team
- (2) Specified home team assignment for each game (favoring top ranked teams)
- (3) Game 2–1 in Round 2 (or Round 3 at worst)
- (4) No HHAAH or AAHHA pattern

We will show that the requirements cannot be satisfied and present all schedules that meet requirements (1)–(3), including the one which has been picked by the CNSL to be used next season.

Keywords: Tournament scheduling