

MATH 1300-D WEEK 9

SECTIONS 11.2–3; PAGES 572–590

ABSTRACT. In primary elections, a state that yields many delegates probably has more influence on the outcome than one that yields few. Is it possible that some states have no real influence? Is there a way to quantify influence?

SECTION 11.2

Reading. Make sure that you understand what is behind the words:

- (1) Majority criterion
- (2) Condorcet's criterion
- (3) Monotonicity criterion
- (4) Independence of irrelevant alternatives

Self-assessment. To verify that you have understood the material, solve the following problems at the end of the section: 1–4, 13, and 21.

Now take Quiz-15; you need to score 75% on this quiz before you can start working Homework-15, which is due on Thursday 22 October.

SECTION 11.3

Reading. Make sure that you understand what is behind the words:

- (1) Quota and weight in a weighted voting system
- (2) Winning coalition
- (3) Banzhaf power index

Self-assessment. To verify that you have understood the material, solve the following problems at the end of the section: 1–6, 16, and 35.

Now take Quiz-16; you need to score 75% on this quiz before you can start working Homework-16, which is due on Monday 26 October.