



**NANYANG  
TECHNOLOGICAL  
UNIVERSITY**  
SINGAPORE

# Discrete Mathematics

## MH1812

### CA1 Feedback

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- **Grades are available on the ntuLearn Grade Center**
  - **Solutions to CA1 are available on ntuLearn**
  - **Marked scripts can be collected from your tutor**

# Statistics

	Q1 (10)	Q2 (10)	Q3 (7)	Total (27)
Mean	6.9	7.15	5.65	19.45
Lower Quartile	5	6	5	17
Median	7	7	6	20
Upper Quartile	9	9	7	22
Standard Deviation	2.13	1.97	1.17	3.83

# Common mistake

Q2 (b):	(1)	$u \rightarrow r \wedge \neg s$	
	(2)	$\neg w$	
	(3)	$t \rightarrow s$	
	(4)	$u \vee w$	
	$\therefore$ (5)	$u$	Disjunctive Syllogism on (2) and (4)
	$\therefore$ (6)	$r \wedge \neg s$	
	$\therefore$ (7)	$\therefore r \therefore \neg s$	Conjunctive Simplification on (6)
	$\therefore$ (8)	$\neg t$	
	$\therefore$ (9)	$t \rightarrow F$	Rule of Contradiction on (8)

# Observation

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Some of the problems in the midterm are very similar to problems in the tutorials.

**Advice for Midterm II:** practice using

- Relevant tutorial problems
- Past year midterm II papers (more recent papers are more relevant)