

Transcomputation - Exercise 3

Dr James A.D.W. Anderson FBCS CITP CSci

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1 Develop pseudocode to:

- 1.1 Compute the average of a possibly empty list of transreal numbers.
- 1.2 Use non-finite transreals as sentinels.

2 Debate the following:

- 2.1 Does two's complement arithmetic have any advantages over trans-two's complement arithmetic?
- 2.2 Does floating-point arithmetic have any advantages over trans-floating-point arithmetic?
- 2.3 What has to happen before trans-two's complement and trans-floating-point arithmetic are accepted?
- 2.4 What would make a good coursework portfolio?

3 Note:

This exercise is entirely open-ended so there is no Answers 3 sheet.