# Exam Score Deciphering Guide

The test cases are categorized into the following categories, with associated total point values:

A := Approved Includes. 0/1 Multiplier. Fail it ⇒ 0 on Exam 3.

C := Compiles Without Errors. 0/1 Multiplier. Fail it ⇒ 0 on Exam 3.

T := Student Test Coverage. 10 points. All or None.

I := Infrastructure. 20 points.

D := Remove Duplicates. 40 points.

P := Partial Credit for Remove Duplicates. 20 points.

M := Length of Maximum Decreasing Subsequence. 20 points.

R := Rule of Three. 20 points.

E := Examples. 0 points.

TOTAL := 110 points (10 points of bonus)

Partial credit is available for I, D, P, M, and R.

A, C, T, and E are visible during the Exam.

I, D, P, M, and R are fully hidden until after grades are released.

The score on Mimir has 14 digits: ACTTIIDDPPMMRR

Your actual Exam 3 score is computed as: A \* C \* (T + I + max(D, P) + M + R)

Examples:

Mimir Score: 11102030111518 ⇒ 1 1 | 10 20 (30 11) 15 18

Actual Score: 1 \* 1 \* (10 + 20 + max(30, 11) + 15 + 18) = 93

Mimir Score: 10102030111518 ⇒ 1 1 | 10 20 (30 11) 15 18

Actual Score: 1 \* 0 \* (10 + 20 + max(30, 11) + 15 + 18) = 0

Mimir Score: 1102030111518 ⇒ 0 1 | 10 20 (30 11) 15 18

Actual Score: 0 \* 1 \* (10 + 20 + max(30, 11) + 15 + 18) = 0

Mimir Score: 11102015191712 ⇒ 1 1 | 10 20 (15 19) 17 12

Actual Score: 1 \* 1 \* (10 + 20 + max(15, 19) + 17 + 12) = 78

Mimir Score: 11102040202020 ⇒ 1 1 | 10 20 (40 20) 20 20

Actual Score: 1 \* 1 \* (10 + 20 + max(40, 20) + 20 + 20) = 110