Application/Point System

Introduction

- Problem Statement
- - ullet A function $lacksymbol{ iny Points}$ with range $P \in [0,100]$

	Quantified by	
Tendency to self-learn	Number of attempted questions	Primary
Ability to simplify concepts	Average Answer Length	Secondary
Attention to detail	Capitalization of letters in ID	Tertiary

 $P \propto \text{Number of Attempted Questions}$

- $\propto \frac{1}{\text{Average Answer Length}}$ $\propto \text{Number of Capital Letters in ID}$

Let
$$P(Q,L,C) = \left[w_Q Q - w_L L + w_C C
ight]$$

Q	Number of attempted questions
L	Average answer length (number of characters)
C	Number of capital Letters
w_Q	Positive weight of attempting questions
$-w_L$	Negative weight of long answers
w_C	Positive weight of capital letters

$$P(Q,L,C) = \left\lceil 30Q - 0.05L + 2C
ight
ceil_c$$

Verification

- Testing Upper and Lower Bounds
- This is quite similar to Digital Design Truth Tables (MSB-LSB concept)

	Attempted Questions	Average Answer Length	
96.8		24	
88.8		24	
78		400	
70		400	
66.8		24	
58.8		24	
48		400	
40		400	
36.8		24	
28.8		24	
18		400	
		400	

Implementation

Attempted Questions

Average Length

Points