

CSE 466 Midterm #1

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I. MATH APPLICATION

Create an application that calculates the $C(m, n)$ and $P(m, n)$ where

$$C(m, n) = \frac{m!}{n!(m-n)!}$$

$$P(m, n) = m \times (m-1) \times \dots \times (m-n+1)$$

Your application has the following properties:

- Your application will get m and n from two `UITextField`'s.
- There are two `UIButton`s, which increase m and n respectively.
- There are two `UIButton`s, which decrease m and n respectively.
- There are two `UITextField`'s which are not editable and display $C(m, n)$ and $P(m, n)$.
- When m or n changes, $C(m, n)$ and $P(m, n)$ will be changed.
- If $n > m$, both $C(m, n)$ and $P(m, n)$ should display "Not defined".