Math 323, Summer 2019.

**Late penalty for Project IV.**

Project IV is due at 3 PM on Thursday.

If a Project is submitted late, here is how penalty will be determined:

Let $x$ be the number of hours late. (E.g., if a Project is submitted at 5:30 pm PST June 27, then $x = 2.50$.)

We proved in class that for every real number $x$, there is a smallest integer, say $n$, that is $\geq x$. (This was done using Archimedes and Well Ordering.)

This smallest integer will be denoted by $\lfloor x \rfloor$.

Let $PP(x)$ denote the Penalty Percentage for turning in the Project $x$ hours late.

Then

$$PP(x) = \left( \frac{1}{30} \right) \left( \lfloor x \rfloor \right)^2 + 5, \text{ if } 0 < x \leq 24.$$  

$$PP(x) = 100, \text{ if } x > 24.$$  

There will be a penalty of this percentage for Projects turn in late.