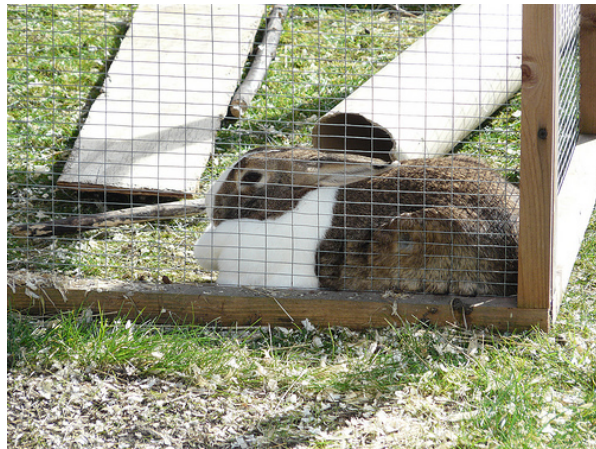


1.4 Rabbit Run

A Solidify Understanding Task

Misha has a new rabbit that she named “Wascal”. She wants to build Wascal a pen so that the rabbit has space to move around safely. Misha has purchased a 72 foot roll of fencing to build a rectangular pen.



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1. If Misha uses the whole roll of fencing, what are some of the possible dimensions of the pen?
2. If Misha wants a pen with the largest possible area, what dimensions should she use for the sides? Justify your answer.
3. Write a model for the area of the rectangular pen in terms of the length of one side. Include both an equation and a graph.
4. What kind of function is this? Why?
5. How does this function compare to the second type of block I logos in *I Rule?*

