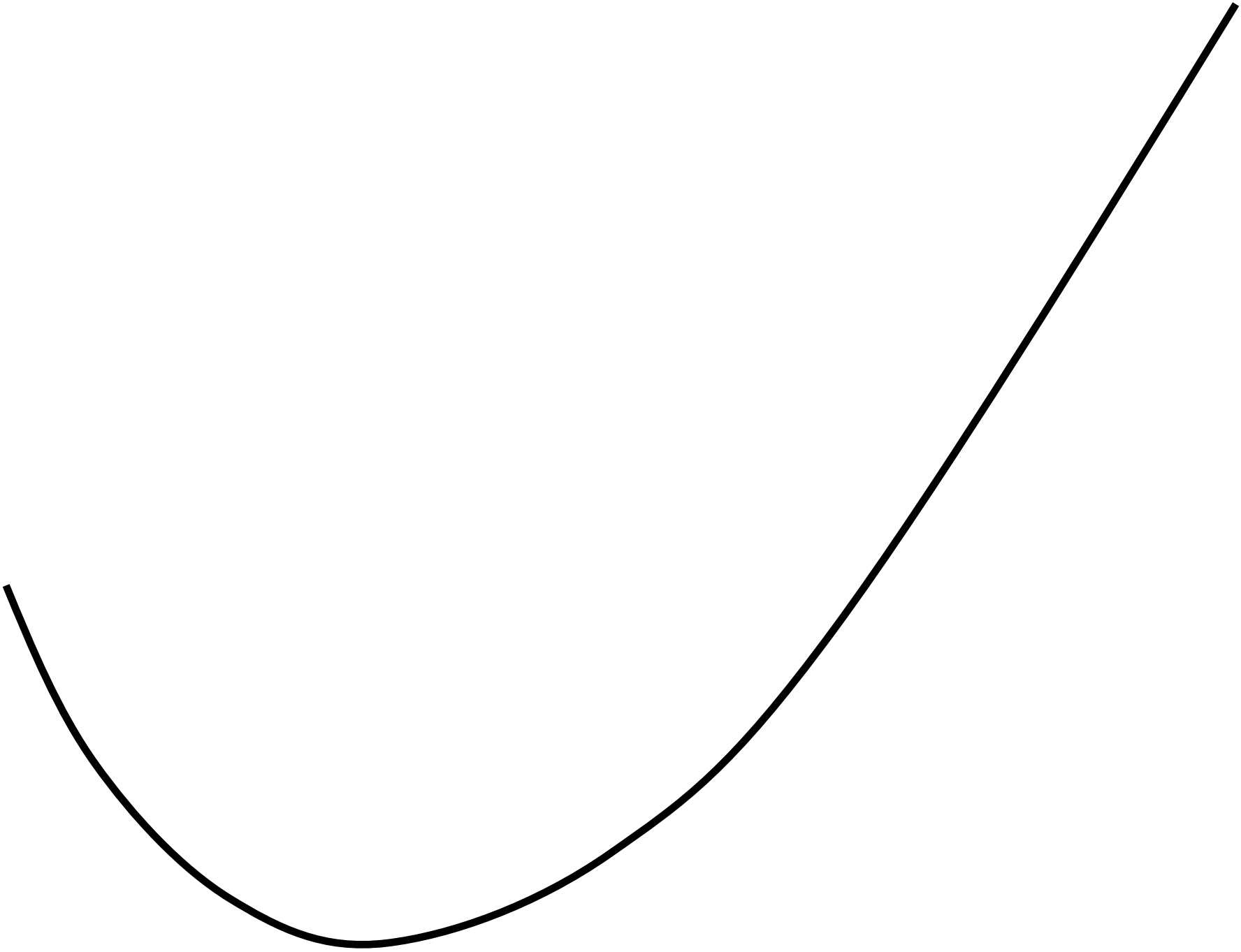


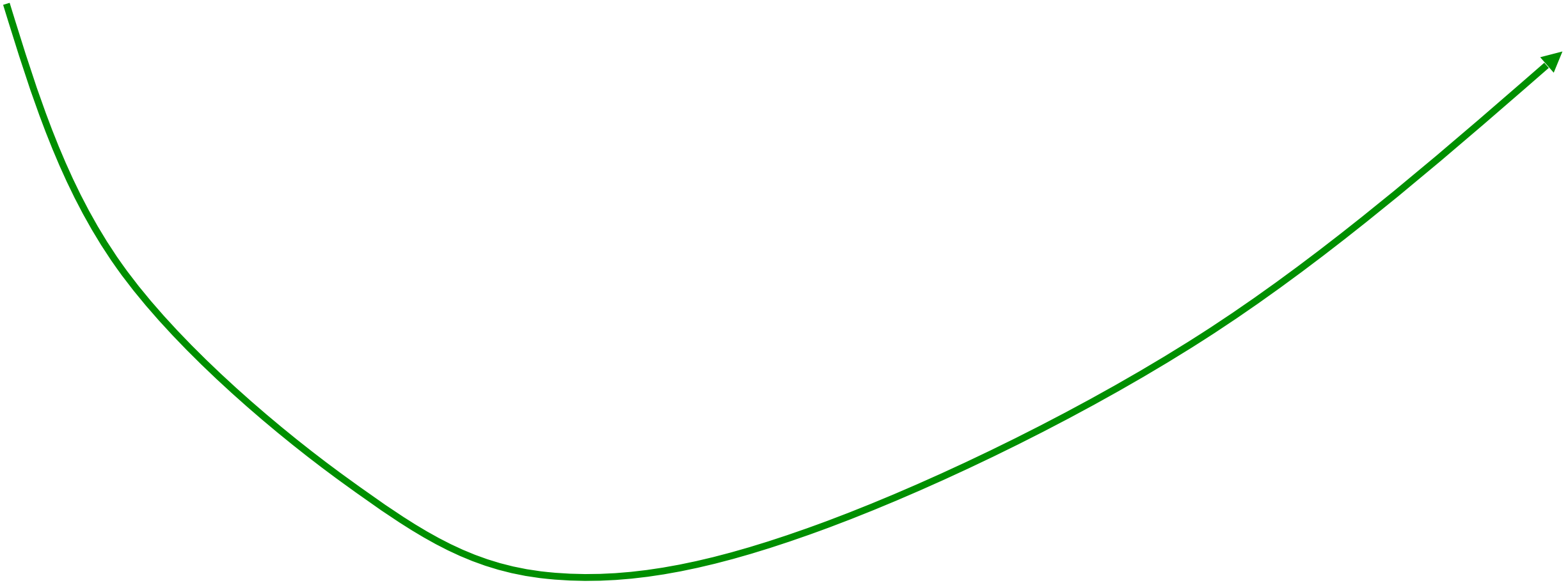
VC



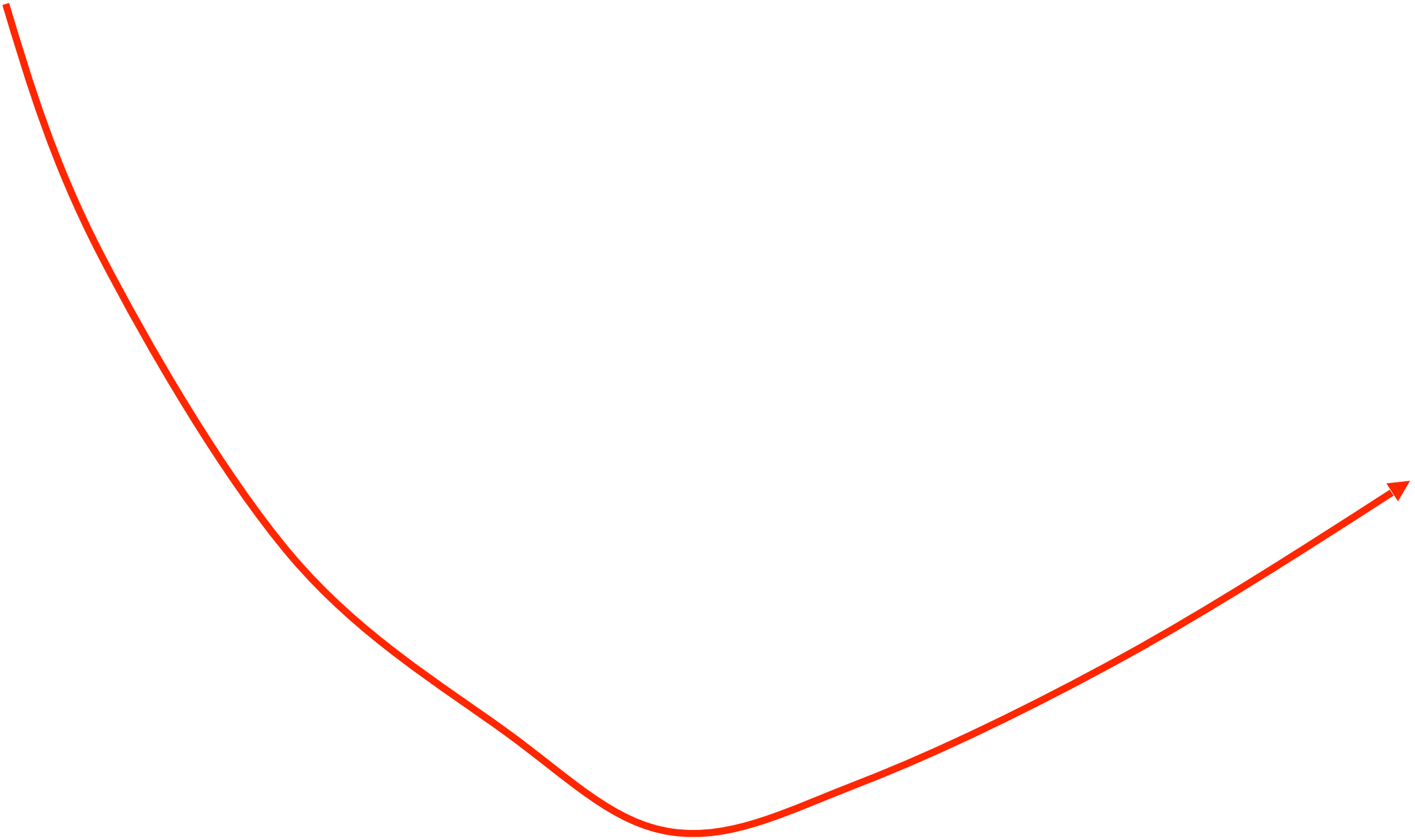




MC



AVC



ATC



MR







Pe

ATC



AVC



FC

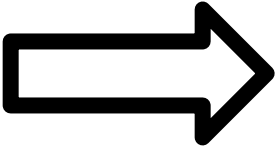
P_e

$<$

AVC

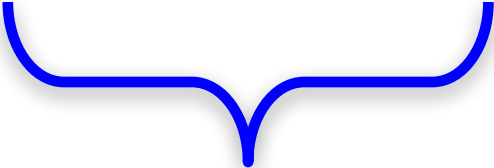
$<$

ATC



Revenue less than VC

$$P_e \times Q \leq AVC \times Q \leq ATC \times Q$$



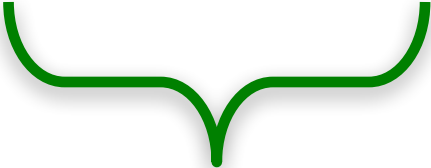
TR

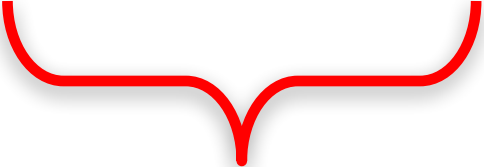
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VC

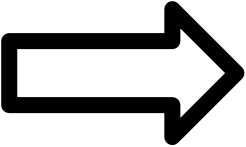
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TC





Firm incurs a
loss **larger**
than the FC



TR

Firm incurs a loss **larger**
than the loss if it shuts down

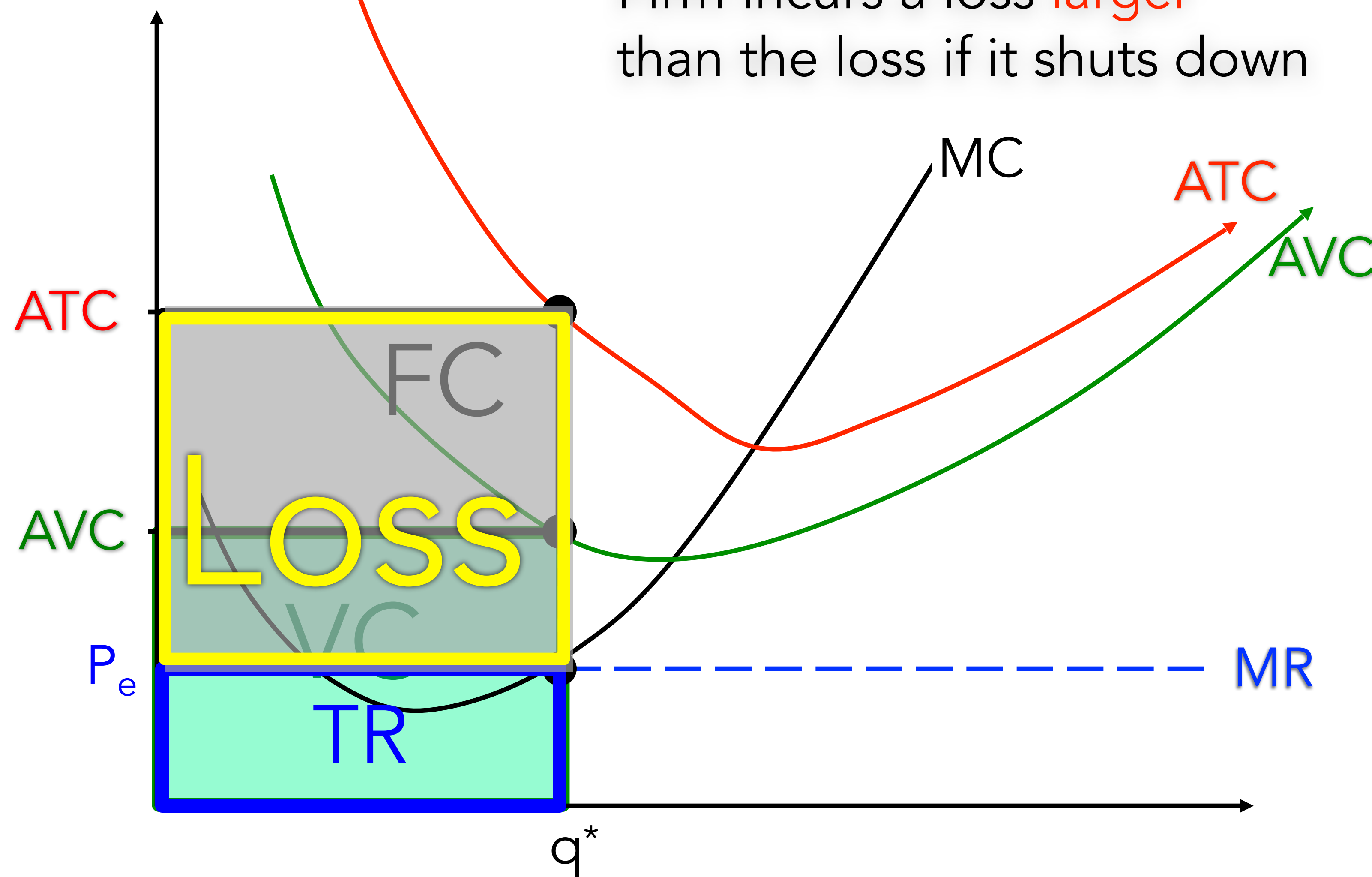
Firm should shut down
in the short run and exit
in the long run

Loss

$$P_e < AVC < ATC \Rightarrow \underbrace{P_e \times Q}_{TR} < \underbrace{AVC \times Q}_{VC} < \underbrace{ATC \times Q}_{TC} \Rightarrow \text{Firm incurs a loss larger than the FC}$$

Firm should **shut down** in the **short run** and **exit** in the **long run**

Firm incurs a loss **larger** than the loss if it shuts down



The Firm's Short Run Decision

