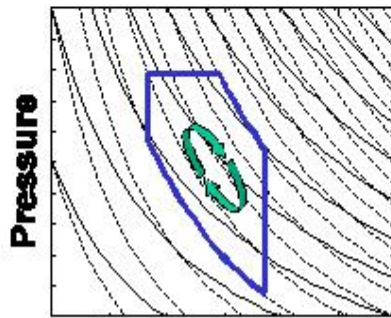


## Chapter 5 Question #4

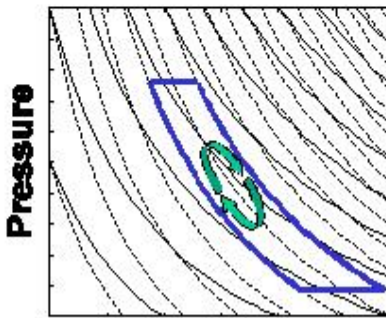
An Otto cycle is a model for the thermo-mechanical energy conversion processes in spark ignition internal combustion engines. Diesel engines operate in a similar manner except the combustion process happens more slowly so that constant pressure heat addition is a better approximation than constant volume heat addition. The assumptions for the processes along the other legs of the cycle are the same for the Diesel and the Otto cycle.

Which of the following diagrams best represents a Diesel cycle, (4 = none of them)?



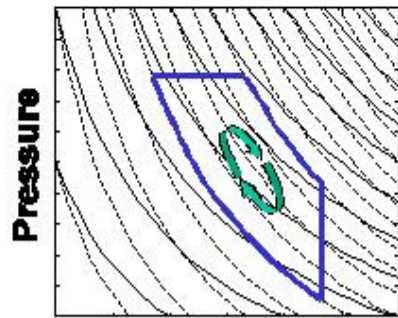
Volume

(1)



Volume

(2)



Volume

(3)

LO#6

**Chapter 5 Question 4 Answer:**

**(3)**

**Class Response (2003):**

