

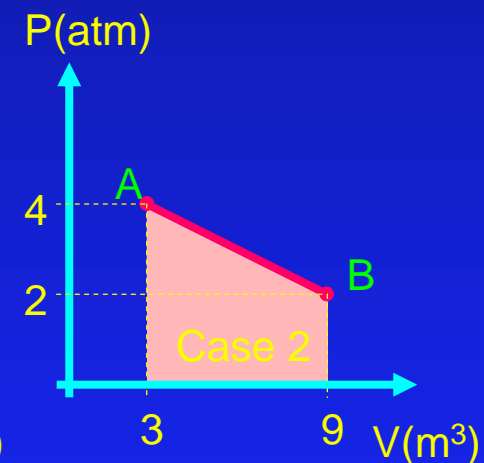
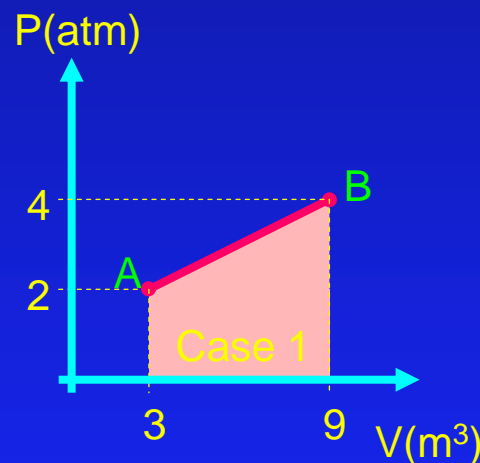
# PV ACT3

Shown in the picture below are the pressure versus volume graphs for two thermal processes, in each case moving a system from state **A** to state **B** along the straight line shown. In which case is the heat added to the system the biggest?

A. Case 1 ← correct

B. Case 2

C. Same



$$Q = \Delta U - W$$

W is same for both

$\Delta U$  is larger for Case 1

Therefore, Q is larger for Case 1