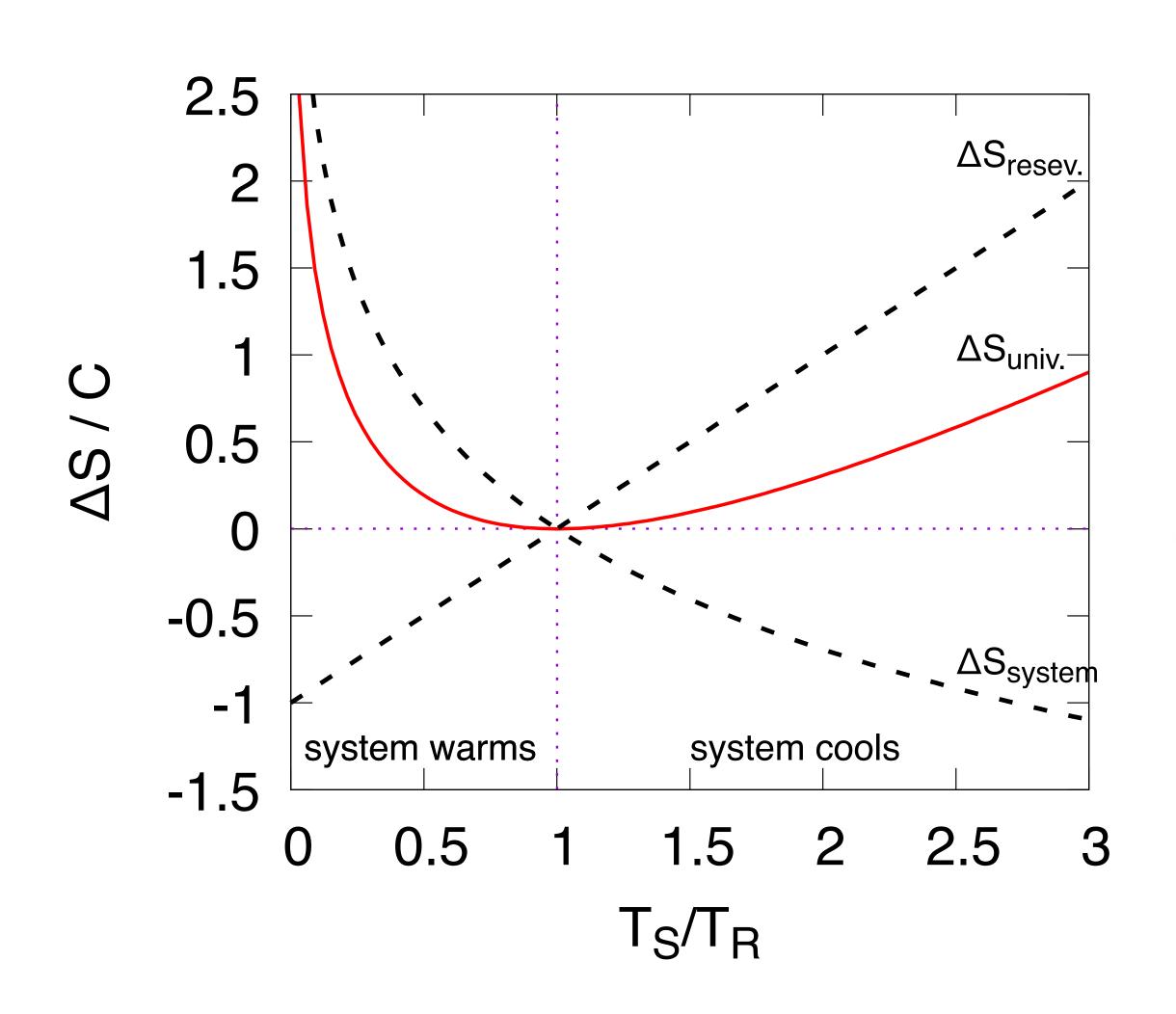
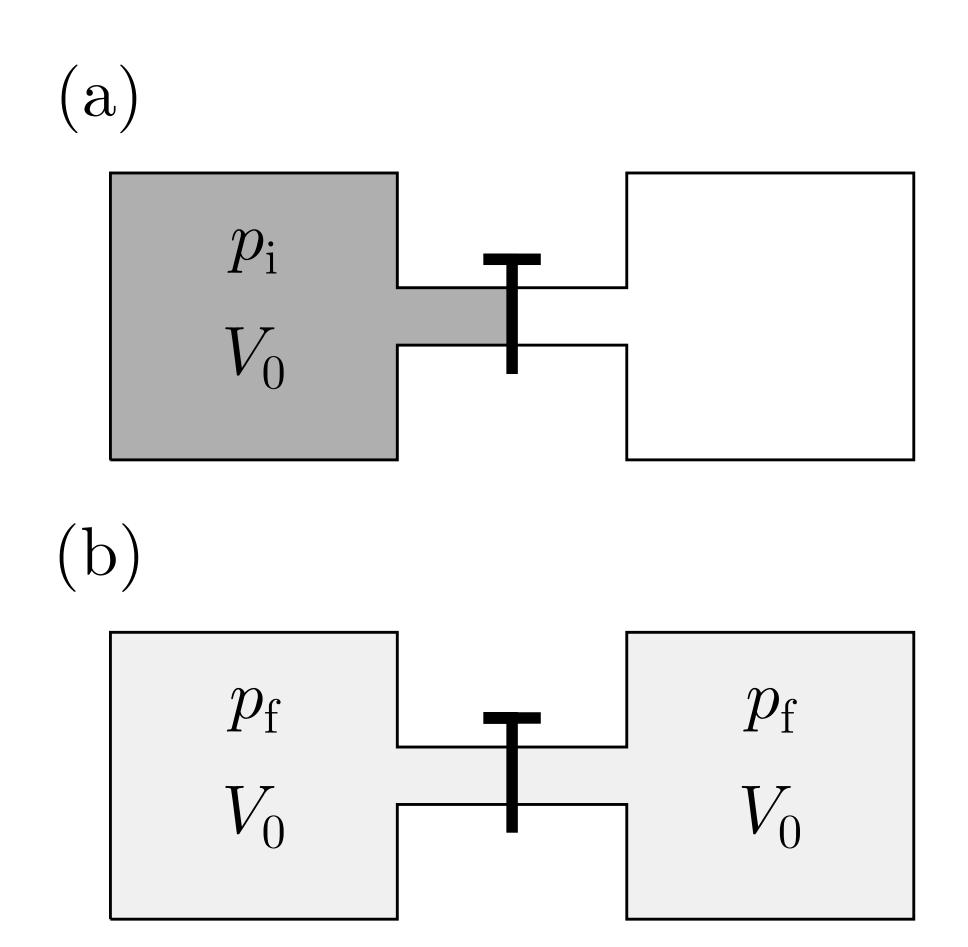
Change in Entropy Ball in Lake: Blundell Example 14.1



 $\mbox{Reservoir} = \mbox{Lake}$ $\mbox{The reservoir has constant temperature } T_R$

Universe is the ball and lake

Joule Expansion



The expansion is a highly non-equilibrium process.

During the expansion no heat enters the system. Thus the energy initial equals the final energy