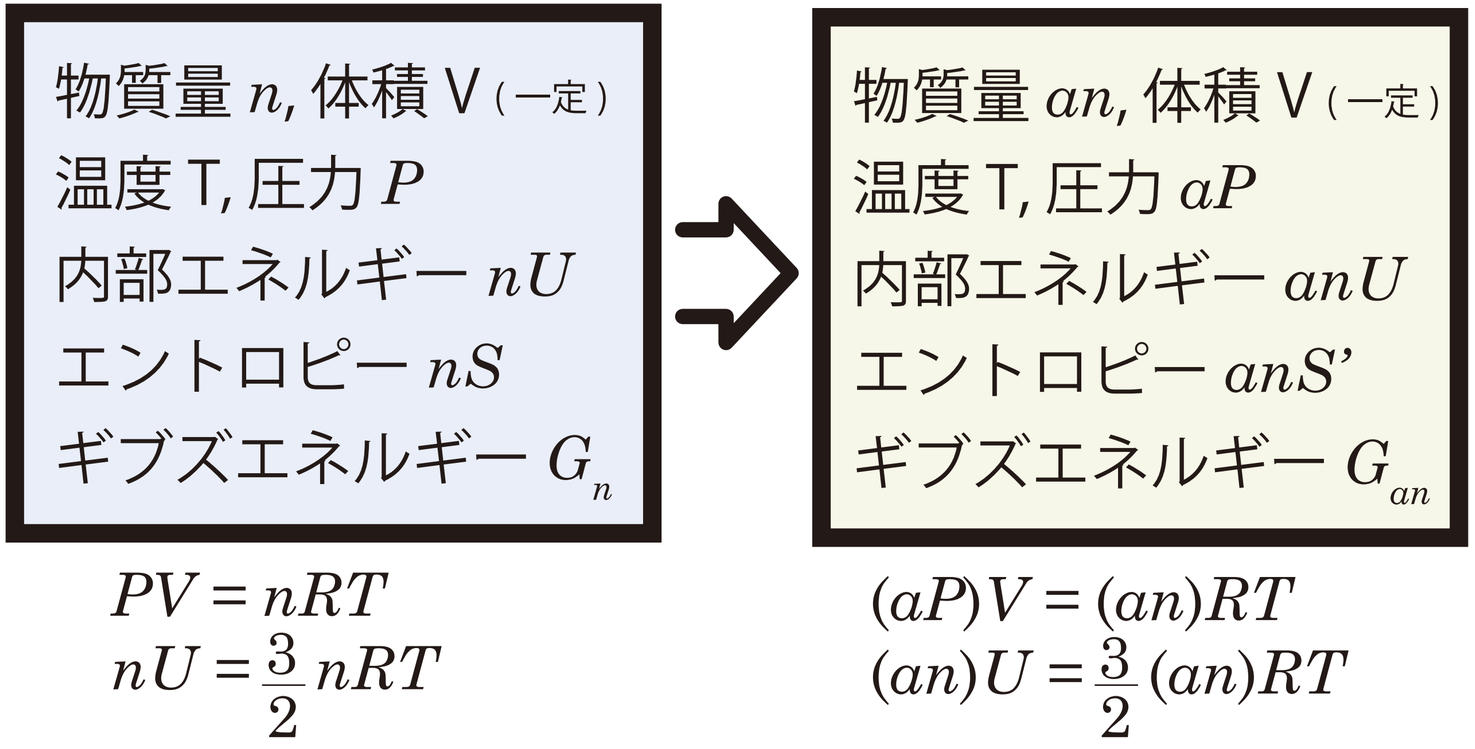


$$PV = nRT$$
$$nU = \frac{3}{2} nRT$$

$$(aP)V = (an)RT$$
$$(an)U = \frac{3}{2} (an)RT$$