

## Α Ν Α Λ Ο Γ Ι Ε Σ

$$1. \frac{\alpha}{\beta} = \frac{\gamma}{\delta} \Leftrightarrow \alpha\delta = \beta\gamma$$

$$2. \frac{\alpha}{\beta} = \frac{\gamma}{\delta} \Leftrightarrow \frac{\delta}{\beta} = \frac{\gamma}{\alpha}$$

$$3. \frac{\alpha}{\beta} = \frac{\gamma}{\delta} \Leftrightarrow \frac{\alpha}{\gamma} = \frac{\beta}{\delta}$$

$$4. \frac{\alpha}{\beta} = \frac{\gamma}{\delta} \Leftrightarrow \frac{\delta}{\gamma} = \frac{\beta}{\alpha}$$

$$5. \frac{\alpha}{\beta} = \frac{\gamma}{\delta} \Leftrightarrow \frac{\alpha \pm \beta}{\beta} = \frac{\gamma \pm \delta}{\delta}$$

$$6. \frac{\alpha}{\beta} = \frac{\gamma}{\delta} \Leftrightarrow \frac{\alpha \pm \beta}{\alpha} = \frac{\gamma \pm \delta}{\gamma}$$

$$7. \frac{\alpha}{\beta} = \frac{\gamma}{\delta} \Leftrightarrow \frac{\alpha \pm \beta}{\alpha \mp \beta} = \frac{\gamma \pm \delta}{\gamma \mp \delta}$$

$$8. \frac{\alpha_1}{\beta_1} = \frac{\alpha_2}{\beta_2} = \dots = \frac{\alpha_v}{\beta_v} = \frac{\alpha_1 \pm \alpha_2 \pm \dots \pm \alpha_v}{\beta_1 \pm \beta_2 \pm \dots \pm \beta_v}$$

$$9. \frac{\alpha_1}{\beta_1} = \frac{\alpha_2}{\beta_2} = \dots = \frac{\alpha_v}{\beta_v} = \frac{\lambda_1 \cdot \alpha_1 \pm \lambda_2 \cdot \alpha_2 \pm \dots \pm \lambda_v \cdot \alpha_v}{\lambda_1 \cdot \beta_1 \pm \lambda_2 \cdot \beta_2 \pm \dots \pm \lambda_v \cdot \beta_v}$$