

Demonstratio. Sit $r A = \alpha$, erit $\alpha^{m.n} = A$
 (§. 6.), atque hinc $r^m \binom{n}{r A} = r^m \binom{n}{r \alpha^{m.n}} =$
 $r^m \binom{n}{\alpha^m} = \alpha$ (§. 6. et §. 22).

Quum vero sit ex hypothesi $r A = \alpha$,
 atque per demonstr. $r^m \binom{n}{r A} = \alpha$, est quo-
 que $r^m \binom{n}{r A} = r A$. Q. E. D.

§. 27. *Coroll.*

Proinde $r.r.r A = r A$, et vice versa,
 si sit $q = \alpha. \beta. \gamma$ producto e numeris nume-
 rantibus integris, erit $r^q A = r.r.r A$, et s. p.

§. 28. *Theorema.*

$$\binom{+n}{A_m}^{+p} = A \frac{+n \times +p}{m.}$$

Demonstratio. Est enim $A \frac{+n}{m} = r A \binom{+n}{r A}^{+p}$ (§. 13.) =
 $\binom{m}{r A}^{+n}$ (§. 23), proinde $\binom{+n}{A_m}^{+p} = \left(\binom{m}{r A}^{+n} \right)^{+p}$
 $\binom{m}{r A}^{+n \times +p}$ (§. 21) = $r A \frac{+n \times +p}{m}$ (§. 23.) =
 $A \frac{+n \times +p}{m}$ (§. 13). Q. E. D.