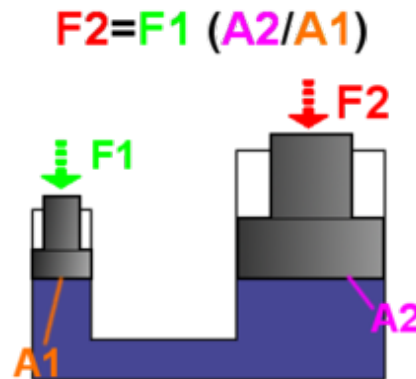


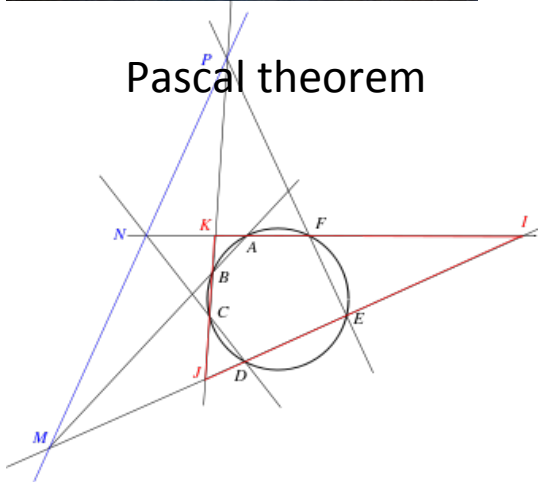


Blaise Pascal 1623-1662



Pascal's law in hydrostatics

Pascal theorem



Calculating machine

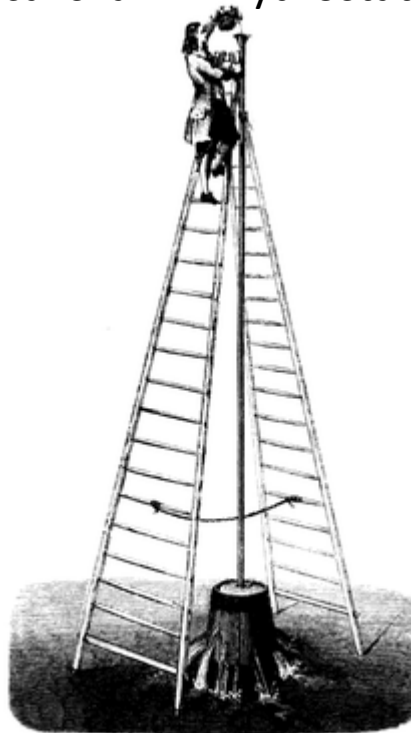


FIG. 45.—Hydrostatic paradox. Pascal's experiment.

Pascal Triangle: Binomial coefficients

$$A+B$$

$$(A+B)^2=A^2+2AB+B^2$$

$$(A+B)^3=A^3+3A^2B+3AB^2+B^3$$

$$(A+B)^4=A^4+4A^3B+6A^2B^2+4AB^3+B^4$$

