



The Binomial Theorem
expresses the n th power
of the sum, $A+B$, as the sum over
all binary sequences of A s and B s.
The power of the sum is the hyper-volume
of the hypercube whose edge length is
 $A+B$. The binary sequence summands are
each the hyper-volume of a hypercube whose
edge lengths are some choice of A s and B s.
Pascal's triangle tells us how many terms
of each type.

