Unit n°73

Problem n $\Rightarrow \binom{m}{k}$

Given

a natural number $n \rightleftharpoons 6$.

Find

a test criterion and an algorithm for the representation of n as binomial coefficient $\binom{m}{k}$; $m,k \in \mathbb{N}$ with $m \rightleftharpoons 4$;

$\text{int}(\frac{m}{2}) \rightleftharpoons k \rightleftharpoons 2$,

and especially with

** lcd(m,k)=1

** m and k are primes.

References

[1] http://mathworld.wolfram.com/BinomialCoefficient.html

[2] http://en.wikipedia.org/wiki/Binomial_coefficient