**Problem Statement of Pascal’s Triangle**



Figure : Pascal's Triangle to the 6th coefficient

Figure 1 is what I’m trying to generate with MATLAB and/or VBA. I created the problem myself since I found Pascal’s Triangle interesting. Pascal’s Triangle is used to find the coefficients of any binomial expression, such as .

So, if you have the exponent , then the expression is , and you get an expansion of , which has the coefficients .

the triangle becomes:

I want the user to input any integer, n, to calculate the coefficients of the expressions. Maybe later when I solved this stage of the problem, I will just find the whole expansion of the nth expression.