$$(a+b)^{3} = |a^{3}+3a^{2}b+3ab^{2}+|b^{3}|$$

$$(a+b)^{4} = |a^{4}+4a^{3}b+(a^{2}b^{3}+4ab^{3}+4b^{4})$$
The coefficients form the below Δ !

* To get the next line, add the above #5! *

$$(a+b)^{9} \longrightarrow |a+b|^{2} = |a+4b|$$

$$(a+b)^{2} \longrightarrow |a+b|^{2} = |a+4b|$$

$$(a+b)^{2} \longrightarrow |a+b|^{2} = |a^{2}+2ab+k^{2}|$$

$$(a+b)^{3} \longrightarrow |a^{2}+3a^{4}b+3ab^{2}+|b|^{3}$$

$$(a+b)^{4} \longrightarrow |a+b|^{4} \longrightarrow |a+b|^{2} \longrightarrow |a+b|^{2}$$

$$(a+b)^{4} \longrightarrow |a+b|^{4} \longrightarrow$$