Cauchy = Eulor Momogeneous Equation

$$x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-2} \frac{d^{n}y}{dx^{n}} + - - a_{n} y = X$$
 $x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + - - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + - - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + - - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + - - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + - - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + - - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + - - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + - - a_{n} y = X$
 $x^{n} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1} \frac{d^{n}y}{dx^{n}} + a_{n} x_{n}^{n-1}$