$$\frac{\partial}{\partial y}\left(\left(1+we\left(\frac{n-1}{2}\right)\left(\frac{\partial u}{\partial y}\right)^2\right)\frac{\partial u}{\partial y}\right) = \frac{\partial p}{\partial x} \quad \text{——(1)}$$

For Series solution want to put

$$u = u_0 + we\,u_1 + (we)^2 u_2 \text{ and } p = p_0 + We\,p_1 + we^2 p_2 \quad \text{——(2)}$$

want to put equation (2) into (1) and then compare the power of $(we)^0$, $(we)^1$ and $(we)^2$, After Comparing we get zeroth order problem and 1st order and ~~zero~~ second order problem. After, that problems will be solved by using BCs

$$u(h) = -K \quad \text{and} \quad u(-h) = 1$$

$$u_0 + we\,u_1 + we_2(we)^2 = -K, \quad u_0 + we\,u_1 + (we)^2 u_2 = 1$$

$u_0(h) = K$ and $u_0(-h) = 1$ ⟶ BCs for zeroth order

and $u_1(h) = 0$, $u_1(-h) = 0$ ⟶ BCs for 1st order

and $u_2(h) = 0$, $u_2(-h) = 0$ ⟶ BCs for 2nd order