$$\frac{d^{2}\phi}{dx^{2}} = 4\pi G g(x) \qquad \phi(0) = 5$$

$$\phi(3) = 4$$

$$g(x) \Rightarrow xe[0,3] \qquad \Omega = [0,3]$$

$$ve U \qquad \int_{A}^{2} \int_{A}^{2} \int_{A}^{2} v = 4\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} \int_{A}^{2} v = 4\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} \int_{A}^{2} v = 4\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} \int_{A}^{2} v = 4\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} \int_{A}^{2} v dx = 4\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} \int_{A}^{2} v dx = 4\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 4\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 4\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 4\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 4\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 4\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 4\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 4\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 4\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 2\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 2\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 2\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 2\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 2\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 2\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 2\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 2\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 2\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 2\pi G g(x) \qquad \int_{A}^{2} v dx = 2\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 2\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 2\pi G g(x) \qquad \int_{A}^{2} \int_{A}^{2} v dx = 2\pi G g(x) \qquad \int_{A}^{2} v$$

$$B(\phi, v) = B(\omega + u, v) = B(\omega, v) + B(u, v)$$

$$B(\omega, v) = L(v) -> L(v) - L(v) - L(v) - B(u, v)$$

$$- \int_{0}^{3} (\omega - \frac{1}{3}) v' dx = 4\pi G \int_{0}^{2} v dx$$

$$- \int_{0}^{3} \omega' v' dx = 4\pi G \int_{0}^{2} v dx + \frac{1}{3} \int_{0}^{3} v' dx$$

$$B(\omega, v)$$

$$L(v)$$

$$h = \frac{3}{m-1}$$

$$m \in \{1, 2, \dots, m-1\}$$

$$C_{n}(x) = \begin{cases} \frac{x}{h} - m + 1, & x \in [h(n-1)], h \in \mathbb{N} \\ n - h + 1, & x \in [h(n+1)], h \in \mathbb{N} \end{cases}$$

B·X=L

Bartosz Dudek