

او بر حسب قسمة

$$\theta \hat{L}_p \theta \hat{L}_s - (\theta \hat{L}_p + \theta \hat{L}_s) \quad (6)$$

$$\theta \hat{L}_p \theta \hat{L}_s - \theta \hat{L}_p + \theta \hat{L}_p \cdot \theta \hat{L}_s + \theta \hat{L}_s =$$

$$1 =$$

$$\theta \hat{L}_p (1 + \theta \hat{L}_s) \quad (7)$$

$$1 = \theta \hat{L}_p \times \frac{1}{\theta \hat{L}_p} = \theta \hat{L}_p \times \theta \hat{L}_s =$$

$$= \theta \hat{L}_s - (\theta - 1) \hat{L}_p + 1 \quad (7)$$

$$\frac{1}{\theta \hat{L}_p} - (\theta \hat{L}_p -) + 1 =$$

$$\frac{1 - \theta \hat{L}_p}{\theta \hat{L}_p} + 1 = \frac{1}{\theta \hat{L}_p} - \frac{\theta \hat{L}_p}{\theta \hat{L}_p} + 1 =$$

$$\frac{1}{\theta \hat{L}_p} - 1 + 1 = \frac{\theta \hat{L}_p -}{\theta \hat{L}_p} + 1 =$$

$$= \frac{\xi}{\theta \hat{L}_p} - \theta \hat{L}_p \circ - \theta \hat{L}_s \circ \quad (V)$$

$$\frac{\xi}{\theta \hat{L}_p} - \frac{\theta \hat{L}_p}{\theta \hat{L}_p} \circ - \frac{1}{\theta \hat{L}_p} \circ =$$

$$(\theta \hat{L}_p - 1) \frac{\circ}{\theta \hat{L}_p} = \frac{\theta \hat{L}_p \circ}{\theta \hat{L}_p} - \frac{\circ}{\theta \hat{L}_p} =$$

$$0 = \theta \hat{L}_p \times \frac{\circ}{\theta \hat{L}_p} =$$

أثبت صحة المتطابقات

$$\textcircled{8} \quad 1 + \sin^2 \theta = (\cos \theta)^2$$

الطرف الأول = $1 + (\sin^2 \theta)$

= $1 + \sin^2 \theta = \cos^2 \theta$ - الطرف الثاني

$$\textcircled{9} \quad \cos^2 \theta - \sin^2 \theta = \cos 2\theta$$

الطرف الأول = $\cos^2 \theta - \sin^2 \theta$

الطرف الثاني = $\cos(2\theta)$

الطمانتان متساويتان

$$\textcircled{10} \quad (1 - \sin^2 \theta)(1 + \sin^2 \theta) = 1$$

الطرف الأول = $\cos^2 \theta \times \cos^2 \theta$

= $\frac{1}{\cos^2 \theta} \times \cos^2 \theta = 1$

$$\textcircled{11} \quad \sin^2 \theta + \cos^2 \theta = 1$$

الطرف الأول = $\sin^2 \theta + \cos^2 \theta$

= $\sin^2 \theta + \cos^2 \theta = 1$

= $\sin^2 \theta + \cos^2 \theta = 1$

= $\sin^2 \theta + \cos^2 \theta = 1$

$$\frac{\partial \bar{L}_p}{\partial L_p} - \partial L_p \times \frac{1}{\partial L_p} = \partial \bar{L}_p - \partial L_p \times \partial L_p \quad (1)$$

$$\text{جزء} = \frac{\partial \bar{L}_p}{\partial L_p} - \frac{\partial L_p}{\partial L_p} =$$

$$\partial \bar{L}_p - (\partial L_p - 1) = \partial \bar{L}_p - (\partial - 1) \bar{L}_p \quad (2)$$

$$\frac{1 - \partial \bar{L}_p}{\partial \bar{L}_p} = \frac{1}{\partial \bar{L}_p} - \frac{\partial \bar{L}_p}{\partial \bar{L}_p} =$$

$$1 - \frac{\partial \bar{L}_p}{\partial \bar{L}_p} =$$

$$\partial \bar{L}_p - \partial \bar{L}_p = (\partial \bar{L}_p - \partial \bar{L}_p)(\partial \bar{L}_p + \partial \bar{L}_p) \quad (3)$$

$$1 = \frac{\partial \bar{L}_p}{\partial \bar{L}_p} = \frac{\partial \bar{L}_p}{\partial \bar{L}_p} - \frac{1}{\partial \bar{L}_p} =$$

$$= \partial \bar{L}_p - \partial \bar{L}_p - \partial \bar{L}_p \partial \bar{L}_p \quad (3)$$

$$(\partial \bar{L}_p + \partial \bar{L}_p) - \frac{1}{\partial \bar{L}_p} \times \partial \bar{L}_p =$$

$$\text{جزء} = 1 - 1 =$$

$$\partial \bar{L}_p - \frac{(\partial \bar{L}_p + 1) \partial \bar{L}_p}{(\partial \bar{L}_p + 1)(\partial \bar{L}_p - 1)} = \partial \bar{L}_p - \frac{\partial \bar{L}_p}{\partial \bar{L}_p - 1} \quad (4)$$

$$\partial \bar{L}_p - \frac{(\partial \bar{L}_p + 1) \partial \bar{L}_p}{\partial \bar{L}_p - 1} =$$

$$1 = \partial \bar{L}_p - \partial \bar{L}_p + 1 = \partial \bar{L}_p - \frac{(\partial \bar{L}_p + 1) \partial \bar{L}_p}{\partial \bar{L}_p}$$

$$= \theta_{L_1} \theta_{L_2} - \theta_{L_2} \theta_{L_1} + \theta_{L_1} \theta_{L_2} \quad (7)$$

$$\frac{1}{\theta_{L_1}} \times \frac{1}{\theta_{L_2}} - \frac{\theta_{L_2}}{\theta_{L_1}} + \frac{\theta_{L_1}}{\theta_{L_2}} =$$

$$\frac{1}{\theta_{L_1} \cdot \theta_{L_2}} - \frac{\theta_{L_2} + \theta_{L_1}}{\theta_{L_1} \cdot \theta_{L_2}} =$$

$$\text{result} = \frac{1}{\theta_{L_1} \cdot \theta_{L_2}} - \frac{1}{\theta_{L_1} \cdot \theta_{L_2}} =$$

7V

$$\theta \bar{L} = (\theta \dot{L} + \theta \ddot{L}) \theta L \quad (9)$$

$$\left(\frac{\theta \dot{L}}{\theta \ddot{L}} + \frac{\theta \ddot{L}}{\theta \dot{L}} \right) \theta L = \text{الطرف الايمن}$$

$$\left(\frac{\theta \dot{L} + \theta \ddot{L}}{\theta \ddot{L} \theta \dot{L}} \right) \theta L =$$

$$\left(\frac{1}{\theta \dot{L} \theta \ddot{L}} \right) \theta L =$$

$$\theta \bar{L} = \frac{1}{\theta \dot{L}} = \frac{\theta L}{\theta \ddot{L} \theta \dot{L}}$$

$$\frac{1}{\theta \dot{L} - 1} = \frac{\theta L}{\theta \ddot{L} - \theta \dot{L}} \quad (1)$$

$$\frac{1}{\frac{\theta \dot{L}}{\theta \ddot{L}} - 1} = \frac{1}{\theta \dot{L} - 1} = \text{الطرف الايمن}$$

$$\frac{\theta L}{\theta \ddot{L} - \theta \dot{L}} = \frac{1}{\frac{\theta \ddot{L} - \theta \dot{L}}{\theta L}}$$