$$- \frac{\nabla^2 u}{u=0} = 2000 \qquad P = (0,1) \times (0,1)$$

$$u=0, \quad \partial \Omega = \Gamma$$

$$- \left(M_{xx} + M_{yy}\right) V = 2000 N \rightarrow -\int_{0}^{1} \int_{0}^{1} (M_{xx} + M_{yy}) V = \int_{0}^{1} 2000 V dA$$

$$- \int_{0}^{1} \int_{0}^{1} M_{xx} V dx dx - \int_{0}^{1} \int_{0}^{1} M_{yy} V dy dx = \int_{0}^{1} 2000 V dA$$

$$\int_{0}^{1} \left(-V \cdot M_{x}\right)_{0}^{1} dx \int_{0}^{1} M_{x} V_{x} dx dy dy dy dx = \int_{0}^{1} 2000 V dA$$

$$\int_{0}^{1} \int_{0}^{1} M_{x} V_{x} dx dy + \int_{0}^{1} \int_{0}^{1} M_{y} V_{y} dx dx = \int_{0}^{1} 2000 V dA$$

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