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ARCH 324 - Structures 2, Winter 2009

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http://hdl.handle.net/2027.42/64938
WEIGHTLESS STICK

\[ \theta = \frac{ML}{6} \]

\[ M = \frac{48}{16} = 3 \]

SIMPLE BEAM

\[ \theta_2 = \frac{WL^2}{24} = \frac{24(16)^2}{24} = 256 \]

EQUATE \( \theta \)’s

\[ \theta_1 + \theta_2 = 0 \]

\[ M = \frac{48}{3} = 16 \text{ k-ft} \]

\[ V \quad 3 \]

\[ H \quad 48 \]