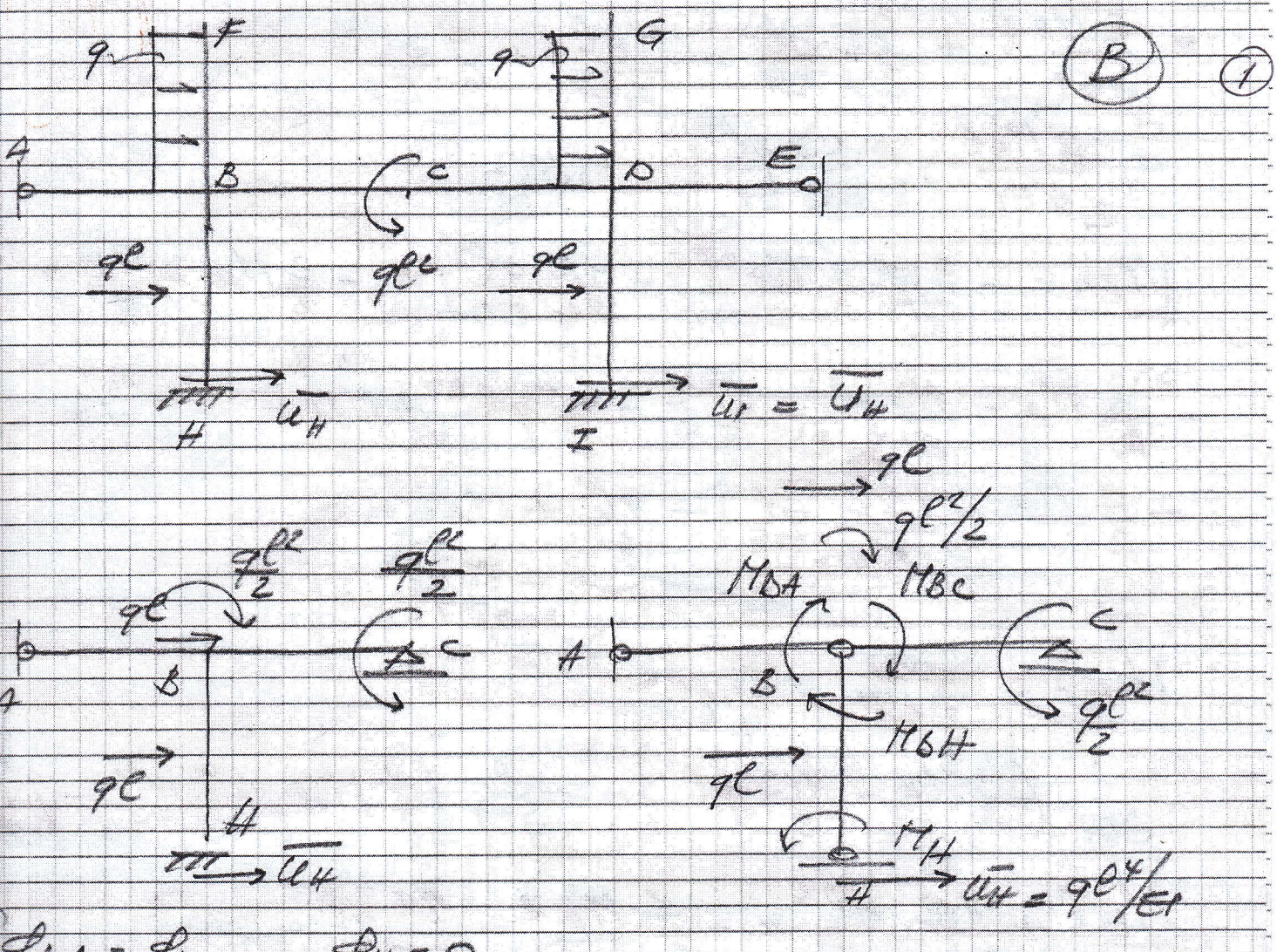

$$\varphi_{BA} = \varphi_{BC} \qquad \varphi_H = 0$$

$$\varphi_{BA} = \varphi_{BH} \qquad * M_{BA} + M_{BH} + M_{BC} = +q\ell^2/2$$

$$* \varphi_{BA} = -\frac{M_{BA}\ell}{3EI} = \varphi_{BC} = -\frac{M_{BC}\ell}{3EI} - \frac{q\ell^3}{12EI}$$

$$* \varphi_{BA} = -\frac{M_{BA}\ell}{3EI} = \varphi_{BH} = -\frac{M_{BH}\ell}{3EI} - \frac{M_H\ell}{6EI} + \frac{q\ell^3}{EI} + \frac{7q\ell^3}{16EI}$$

$$\frac{17}{16} q\ell^3/EI$$

$$* \varphi_H = \frac{M_H\ell}{3EI} + \frac{M_{BH}\ell}{6EI} + \frac{q\ell^3}{EI} - \frac{q\ell^3}{16EI} = 0$$

$$\frac{15}{16} q\ell^3/EI$$

$$M_{BH} = -\frac{2}{\ell} \cdot \frac{6EI}{3EI} M_H\ell - \frac{3}{\ell} \cdot \frac{16}{8} \cdot \frac{15}{16} \cdot \frac{q\ell^3}{EI} = -2M_H - \frac{45}{8} q\ell^2$$

$$-\frac{M_{BA}\ell}{3EI} = -\frac{\ell}{3EI}\left(-2M_H - \frac{45}{8} q\ell^2\right) - \frac{M_H\ell}{6EI} + \frac{17}{6} q\ell^3/EI =$$