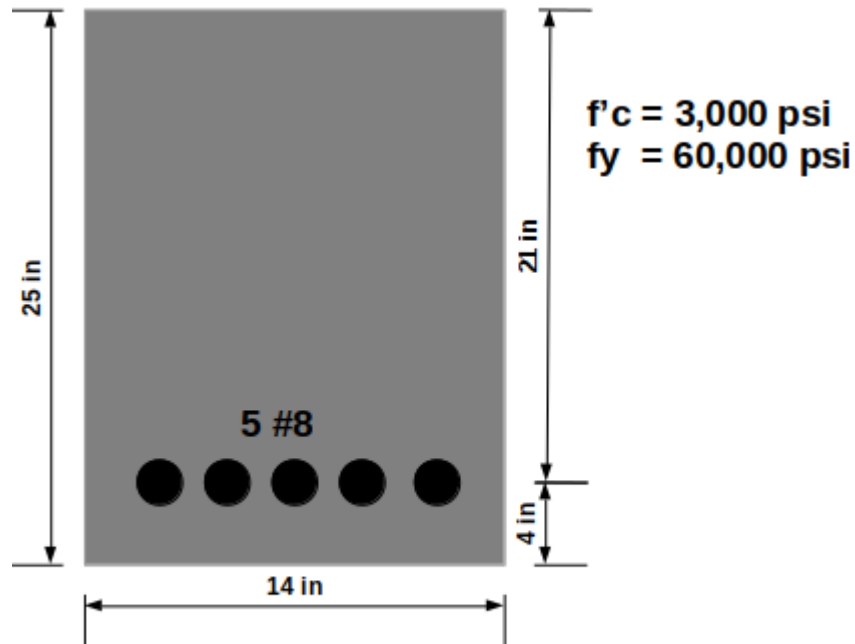




DTY Tutoring, inc.
Email: dtytutoring@gmail.com
Website: www.dtytutoring.com

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Find the ultimate moment capacity (ΦM_n) for the singly reinforced rectangular beam shown below.



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Answers (refer to solutions for detail)

$$\Phi M_N = 3,771 \text{ kips-in}$$