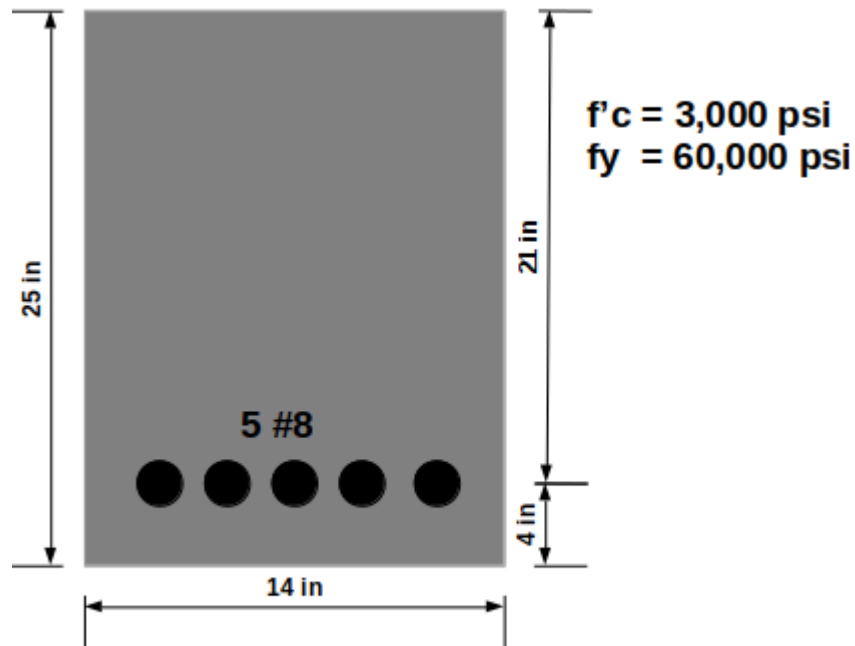




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Find the ultimate moment capacity (ΦM_n) for the singly reinforced rectangular beam shown below.



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Answers (refer to solutions for detail)

$$\Phi M_N = 1,642 \text{ kips-in}$$