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$\sum M_A = 0;$ 
 $80(9.81)(1800) + 200(9.81)(1200)$   
 $+ 300(1800 + 2100) - M = 0$   
 $M = 4.94(10^6) \text{ N}\cdot\text{mm}$  or  $M = 4.94 \text{ kN}\cdot\text{m}$

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