Think Break #3

- Fill in the VMP column in the table using $3/bu for the corn price.
  \[ VMP = $3 \times MP \]

- What is the profit maximizing N fertilizer rate if the N fertilizer price is $0.5/lb?
  Where \( VMP = r \), somewhere between \( N = 150 \) and \( 175 \)

<table>
<thead>
<tr>
<th>N lbs/A</th>
<th>Yield bu/A</th>
<th>MP</th>
<th>VMP</th>
</tr>
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<tbody>
<tr>
<td>0</td>
<td>30</td>
<td>---</td>
<td>---</td>
</tr>
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<td>45</td>
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<td>1.80</td>
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