| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **6** | | | Assume that there is a greatest even positive integer $N = 2k$<br>$N + 2 = 2k + 2 = 2(k+1)$<br>Which is even and $N + 2 > N$<br>This contradicts the assumption<br>Therefore there can be no greatest even positive integer | ***E1**<br>**M1**<br>**dep*E1**<br>**[3]** | **2.1**<br>**2.1**<br>**2.4** | Proof must start with an assumption for contradiction<br>There must be a statement denying the assumption for the final **E1** | |