Problem 6 (due Monday, May 10)

Let \$A\$ and \$B\$ be square matrices of the same size such that $A^{2020}=I=B^{2020}$ and \$AB=-BA\$. Prove that \$I+A+B\$ is invertible. (Here \$I\$ is the identity matrix).

No solutions were submitted. For a detailed solution see the following link Solution.

From:

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