

Where do I begin?

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The following question is an extra credit problem in my analysis class.

We are allowed to use outside help for the problem, but I don't even know where to begin! Any suggestions on how to even begin solving it?

Determine if the following series converges or diverges:
Sigma from n=100 to infinity of:

$$((-1)^n)/(\ln n + \cos n)$$

Any ideas?

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