Packet Sniffing, Learning, and Ethics

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Why Studying Network Traffic is Good

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Tell me and I'll forget;
Show me and I may remember;
Involve me and I'll understand.

(Chinese proverb)

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- Exploring protcols (packet formats, etc.) is a great way to learn computer networking

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- Exploring protcols (packet formats, etc.) is a great way to learn computer networking
- Being aware of the threats to privacy that are intrinsic in the use of computer networks is also very important

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Why “Sniffing Passwords” gets Boring

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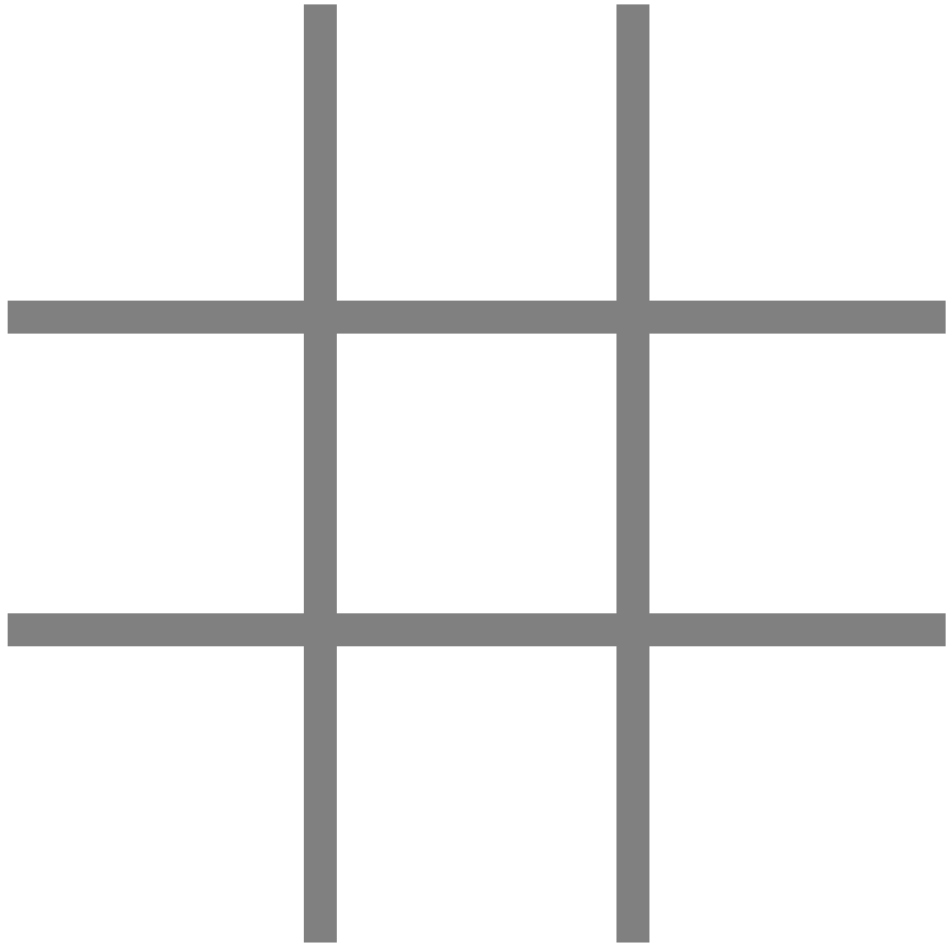

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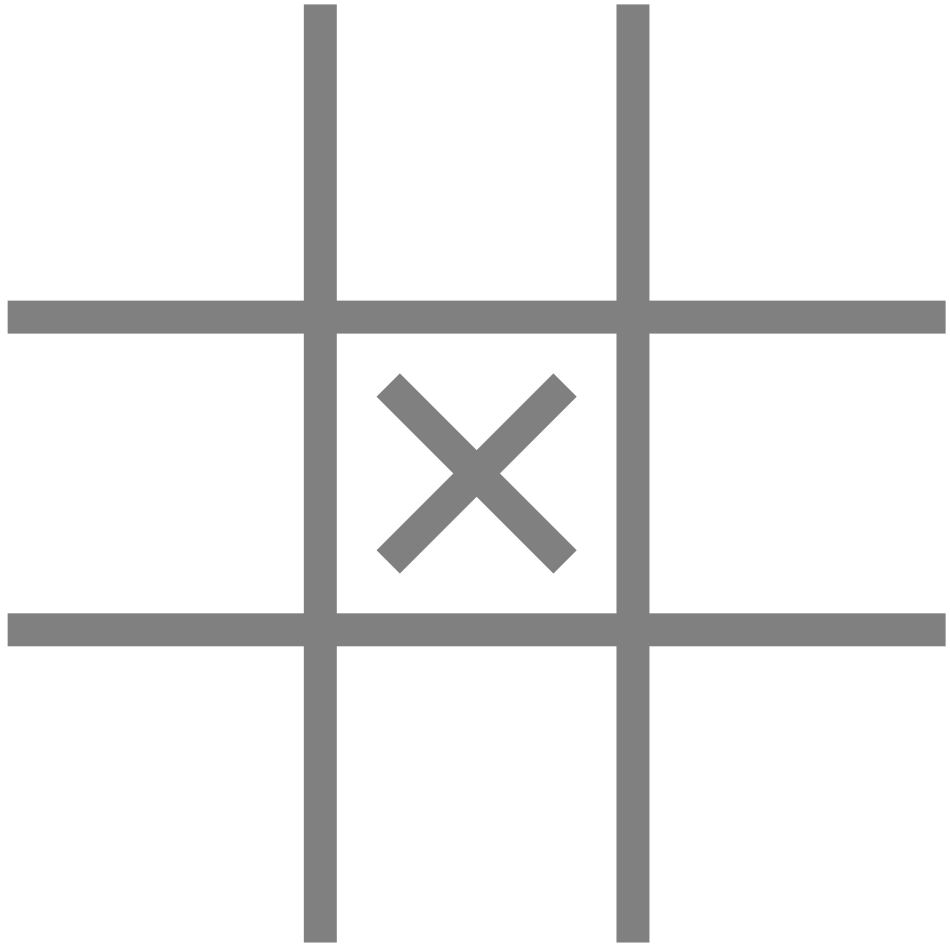

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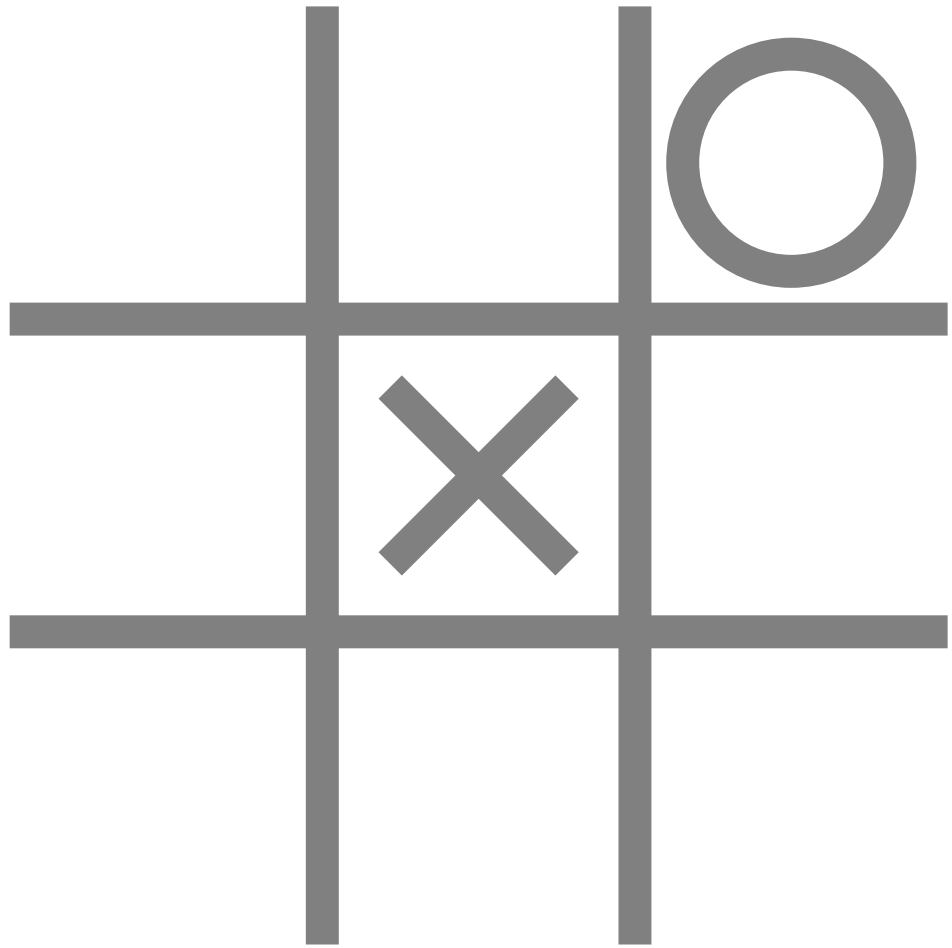

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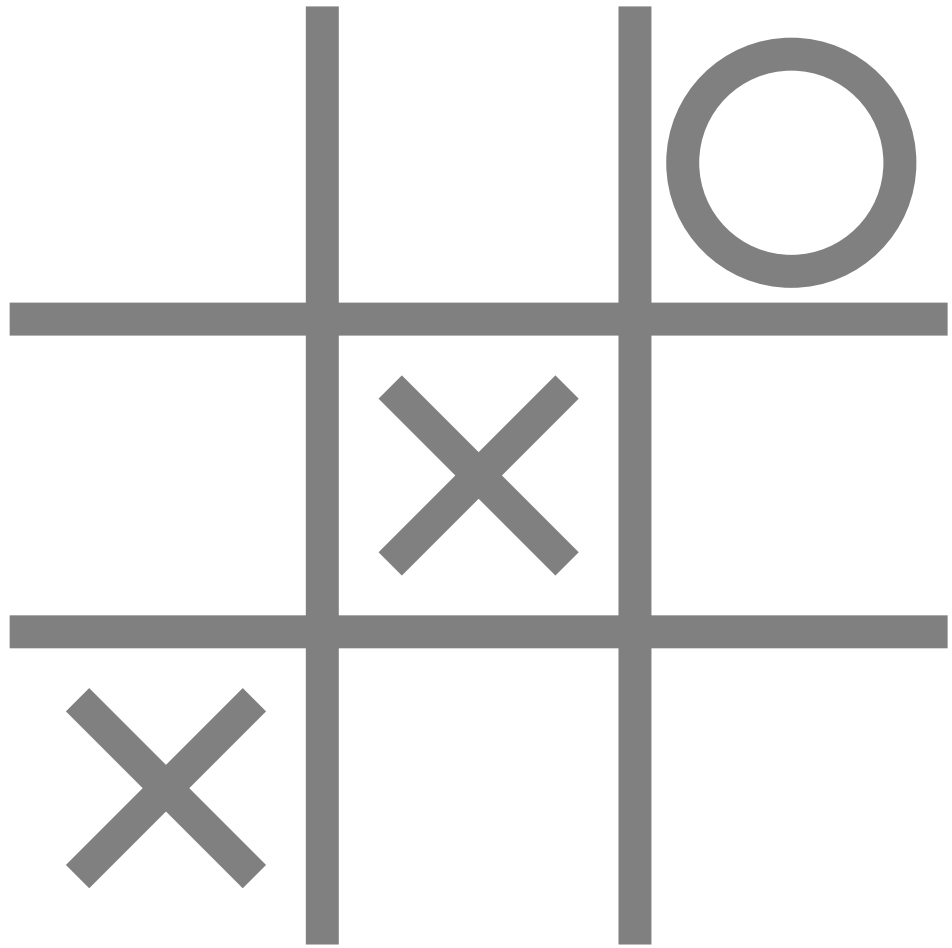

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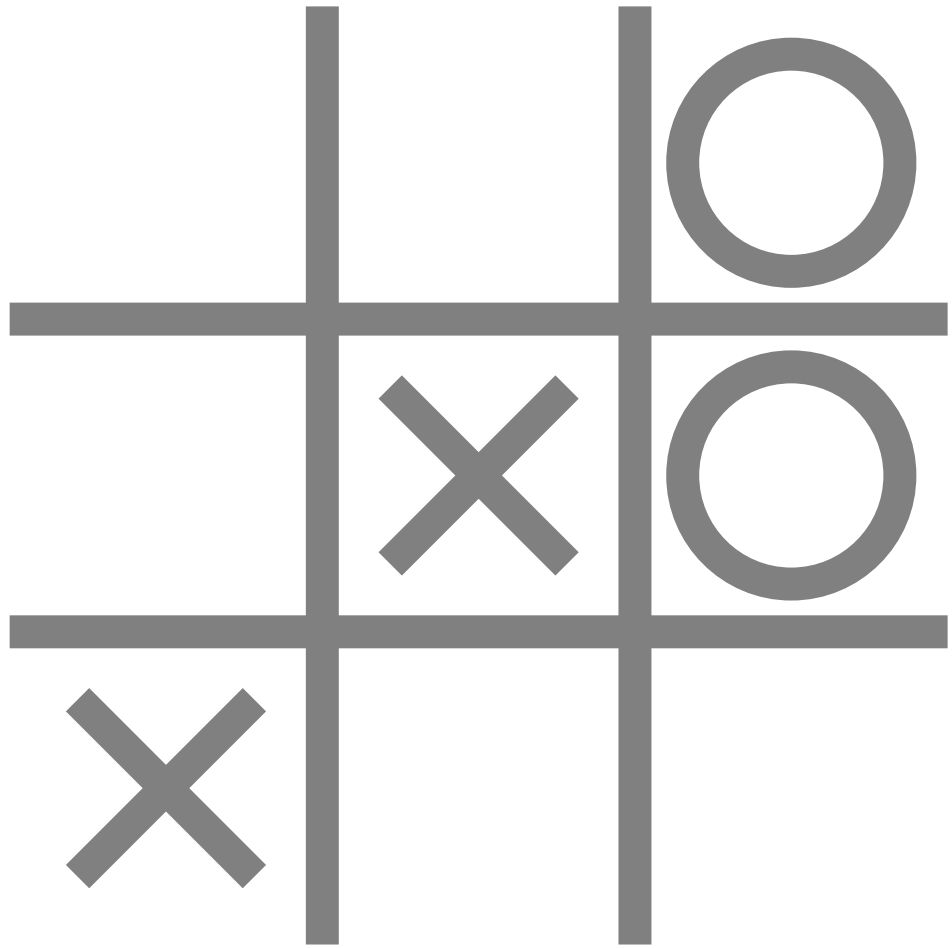

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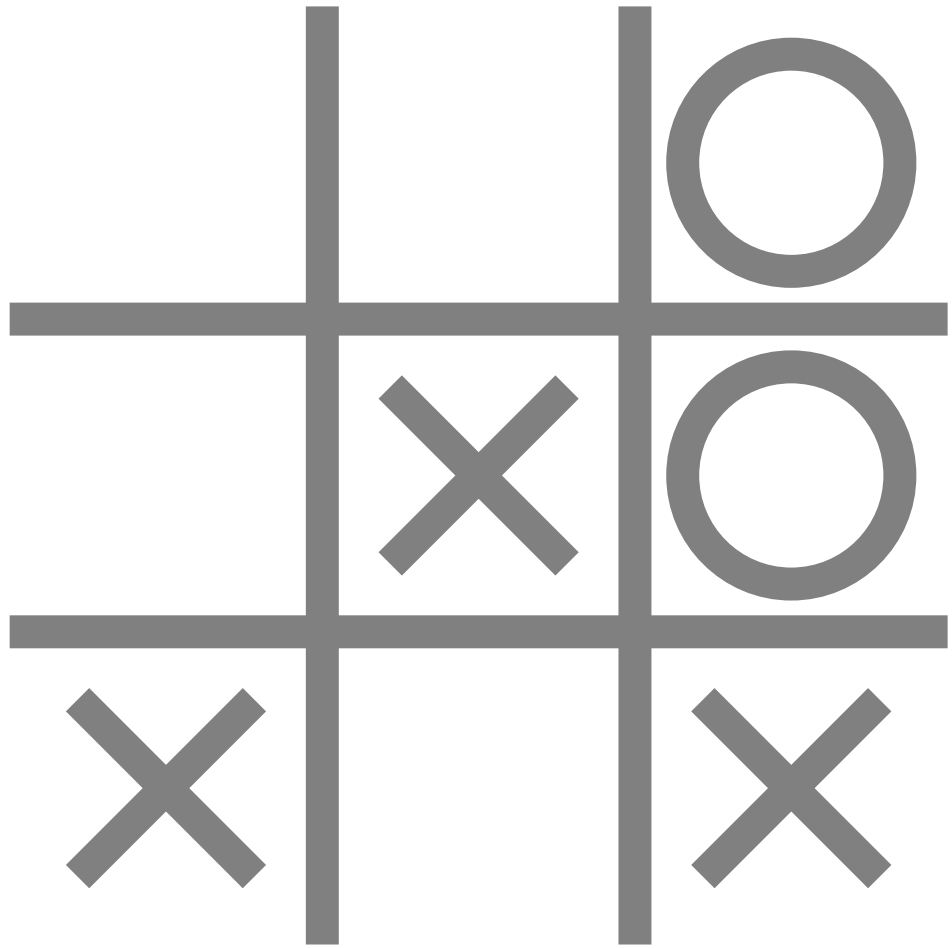

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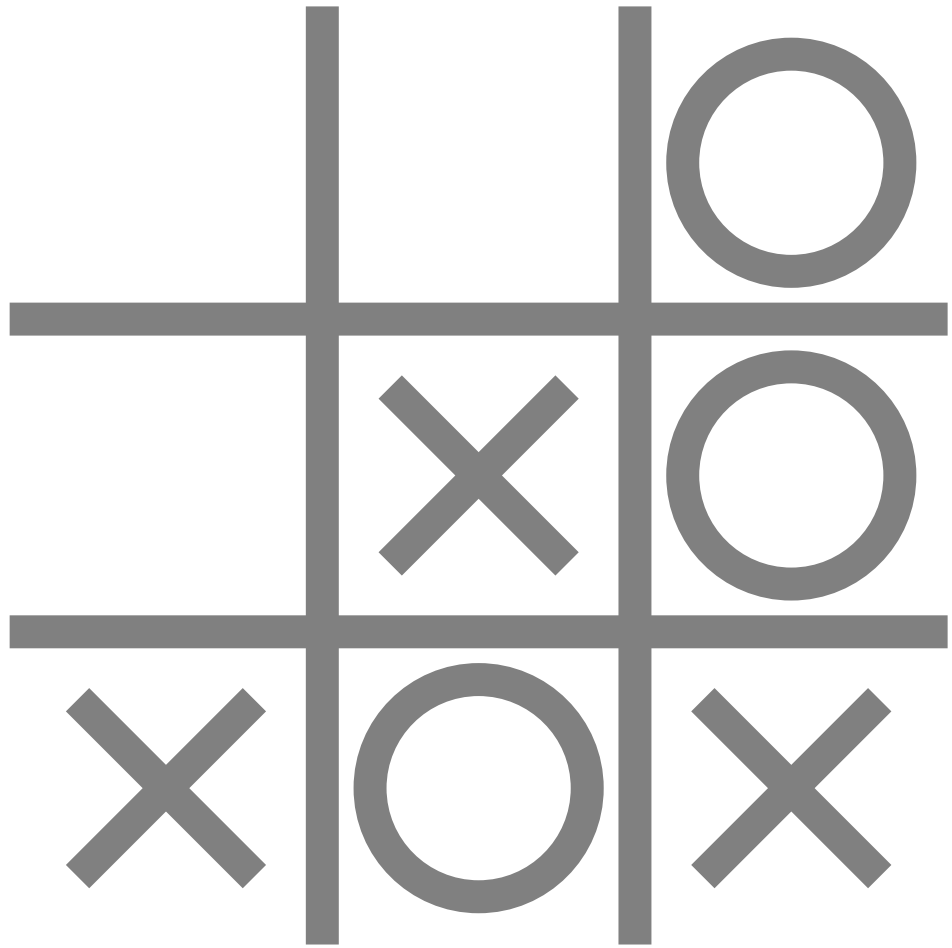

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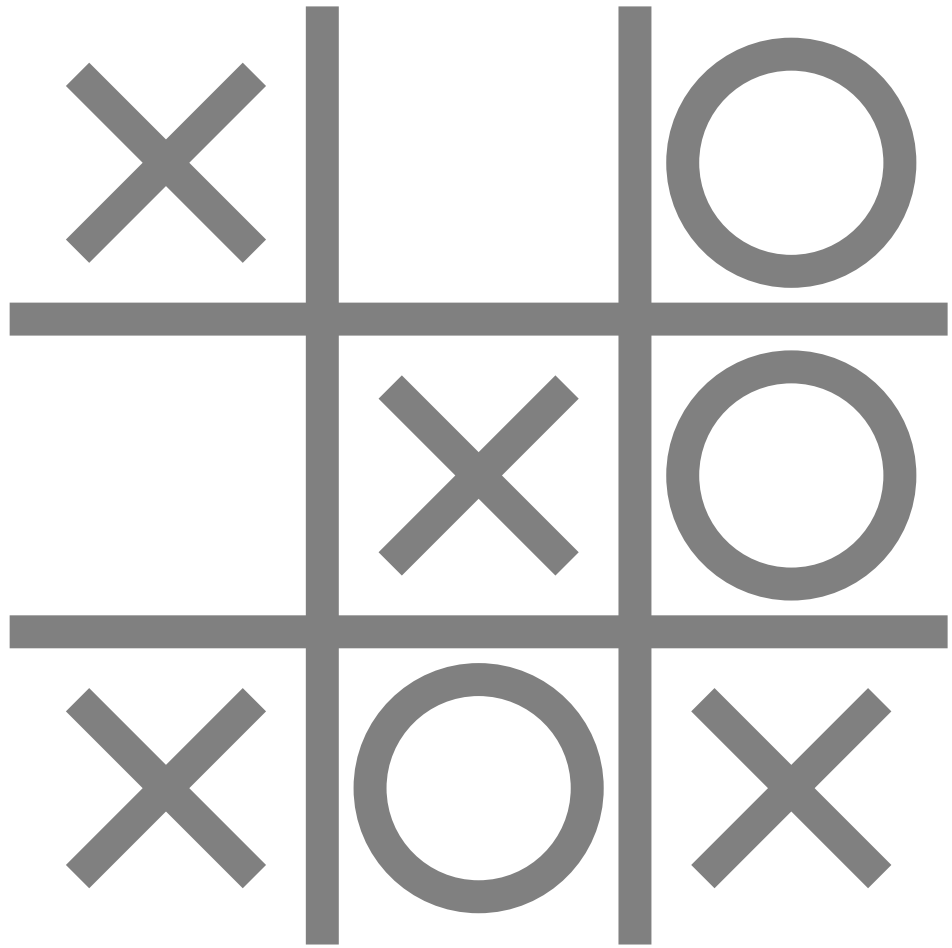

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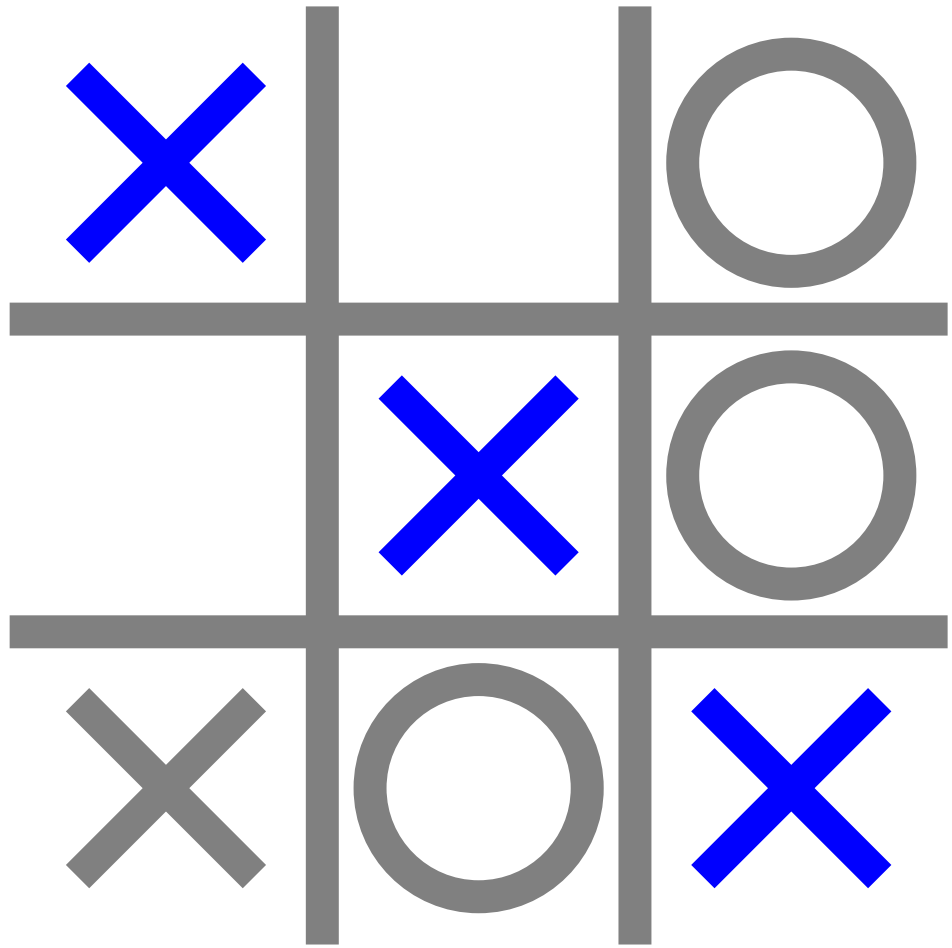

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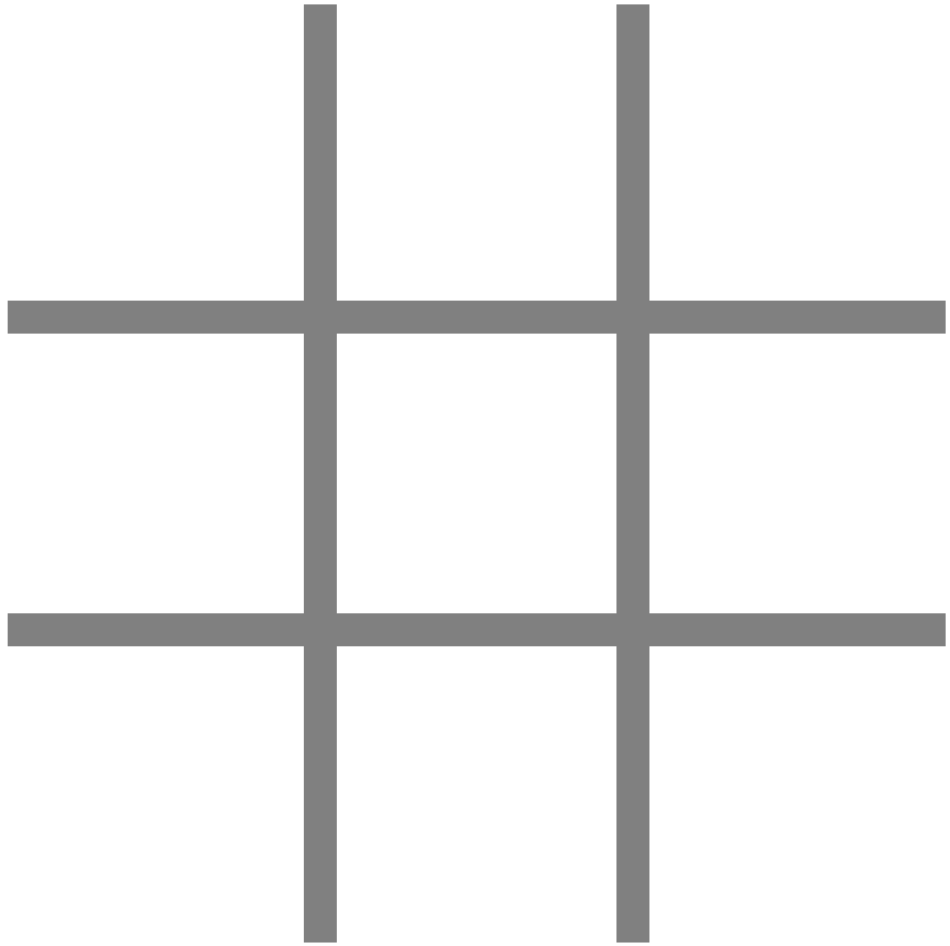

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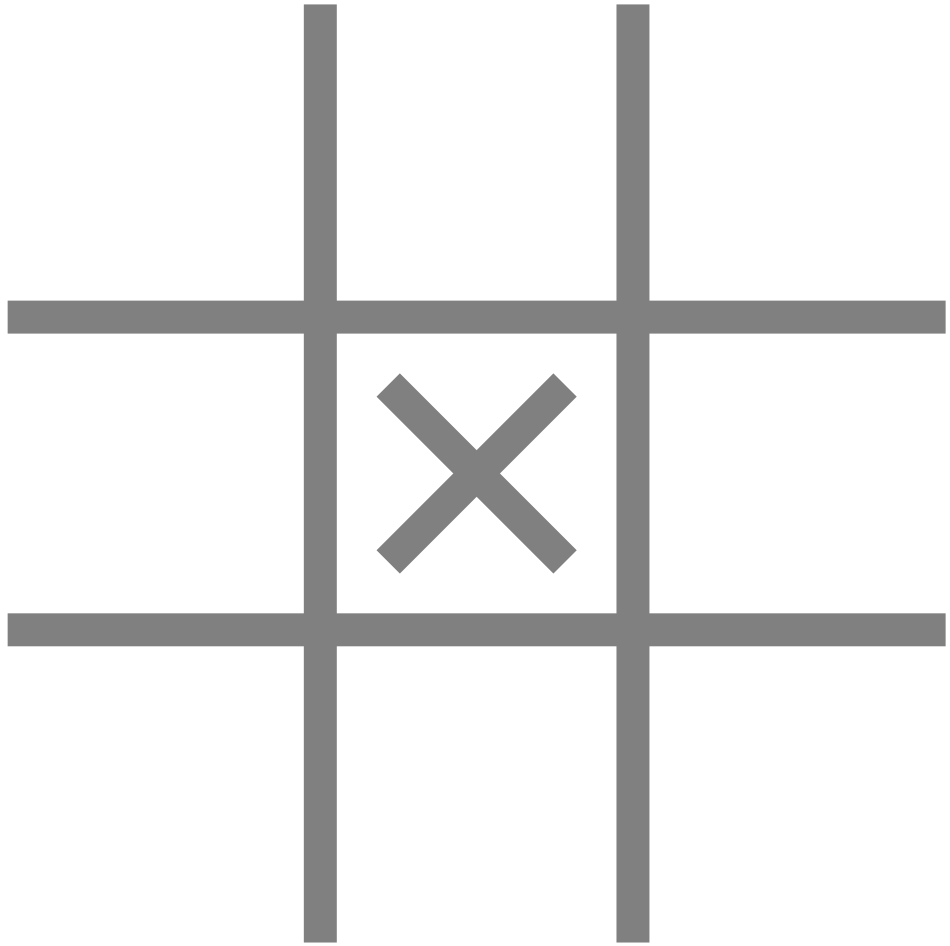

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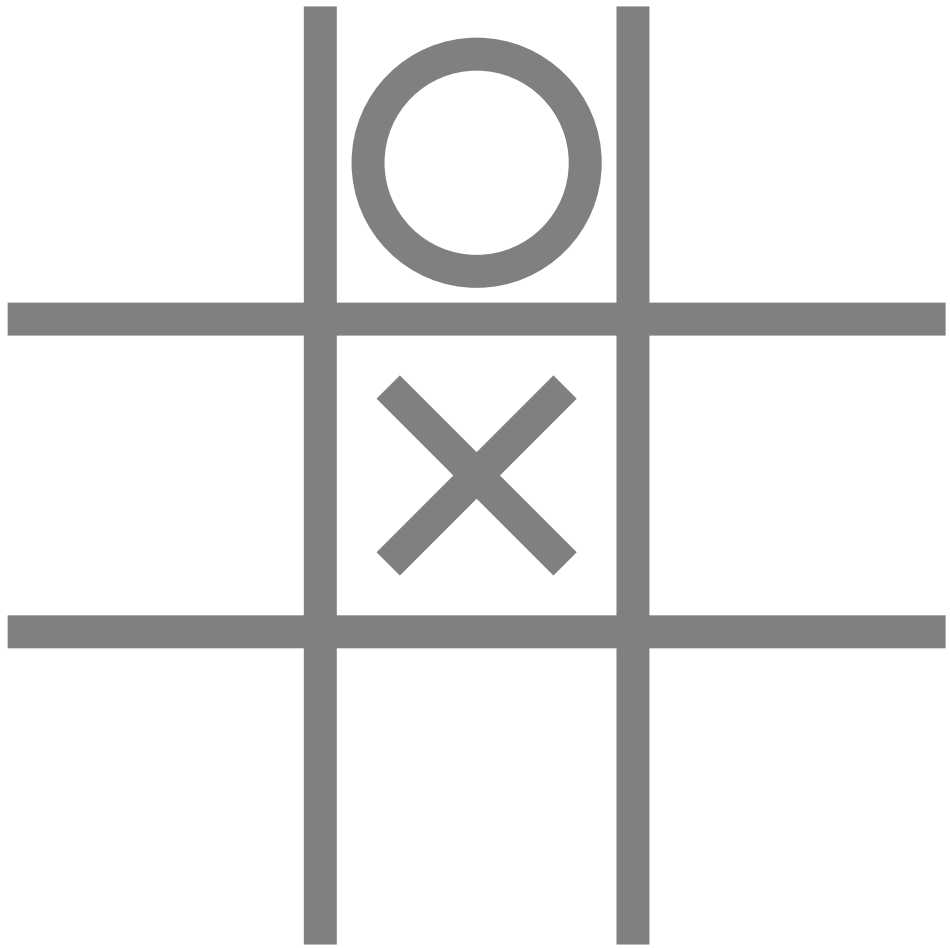

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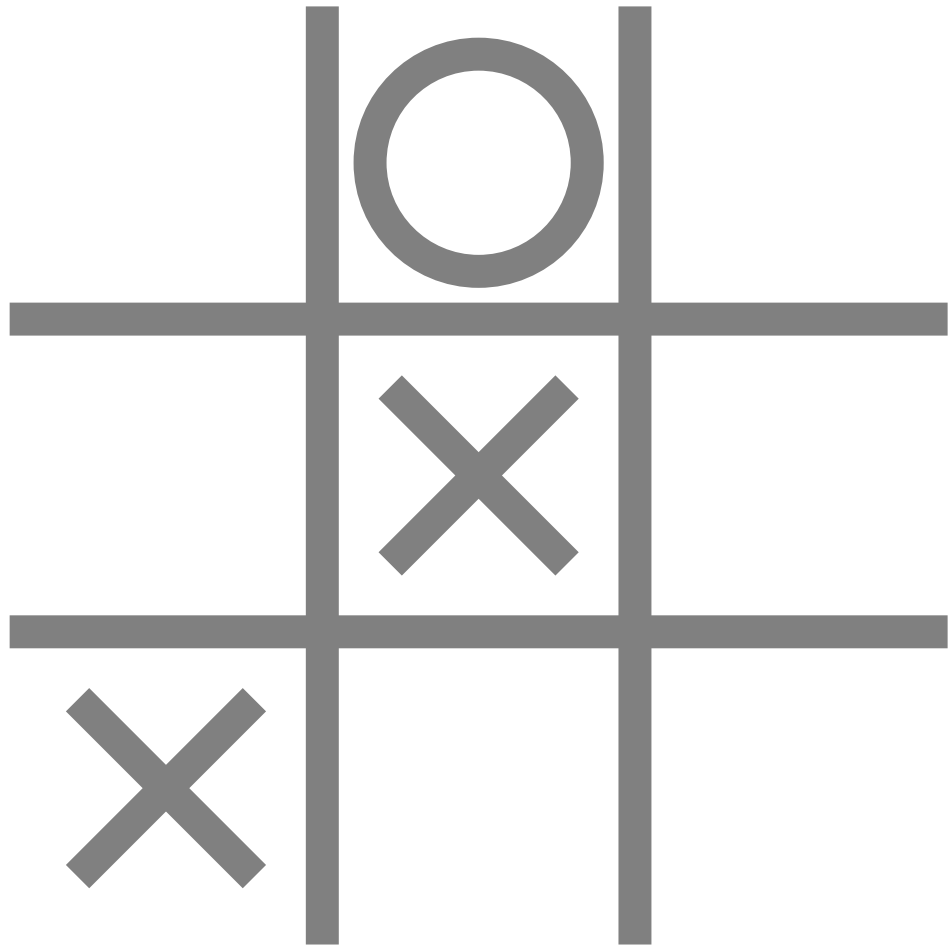

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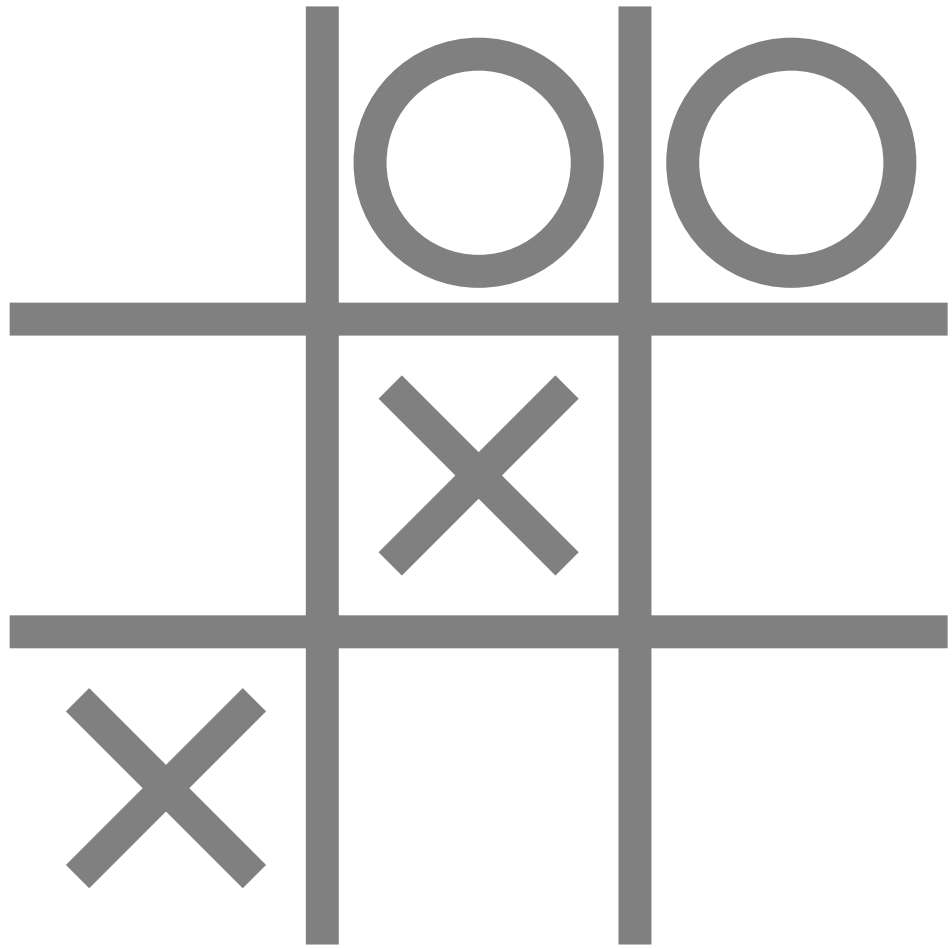

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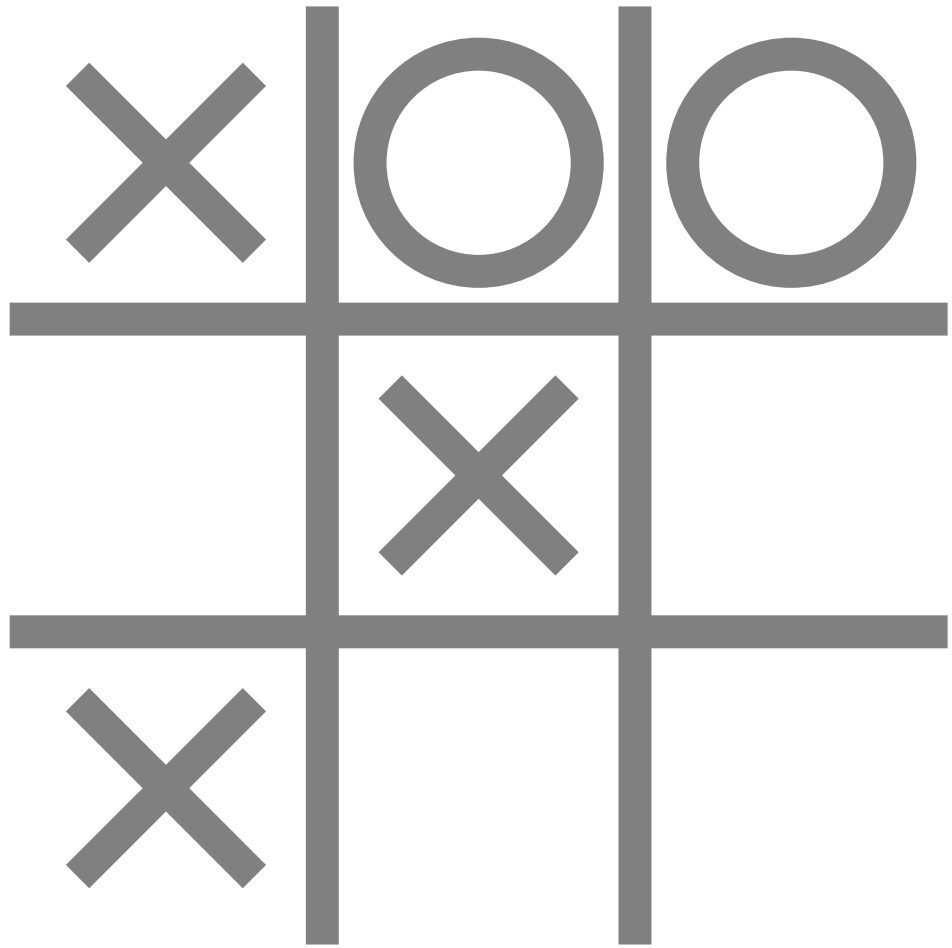

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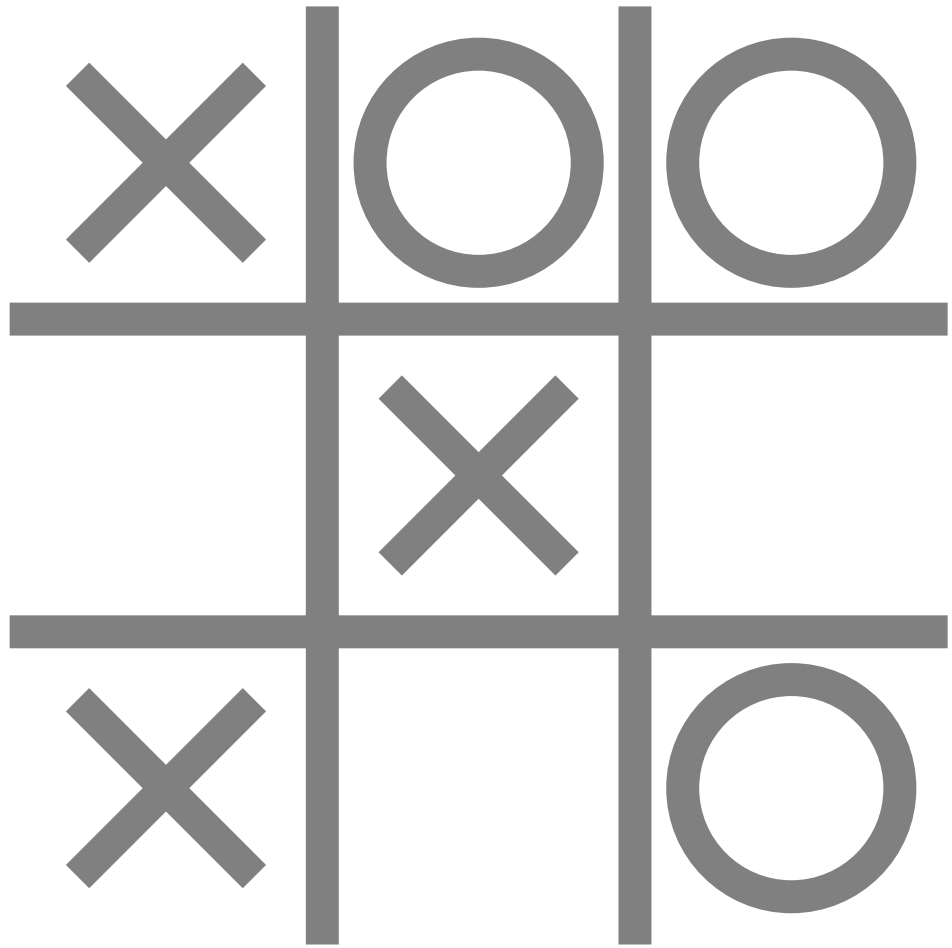

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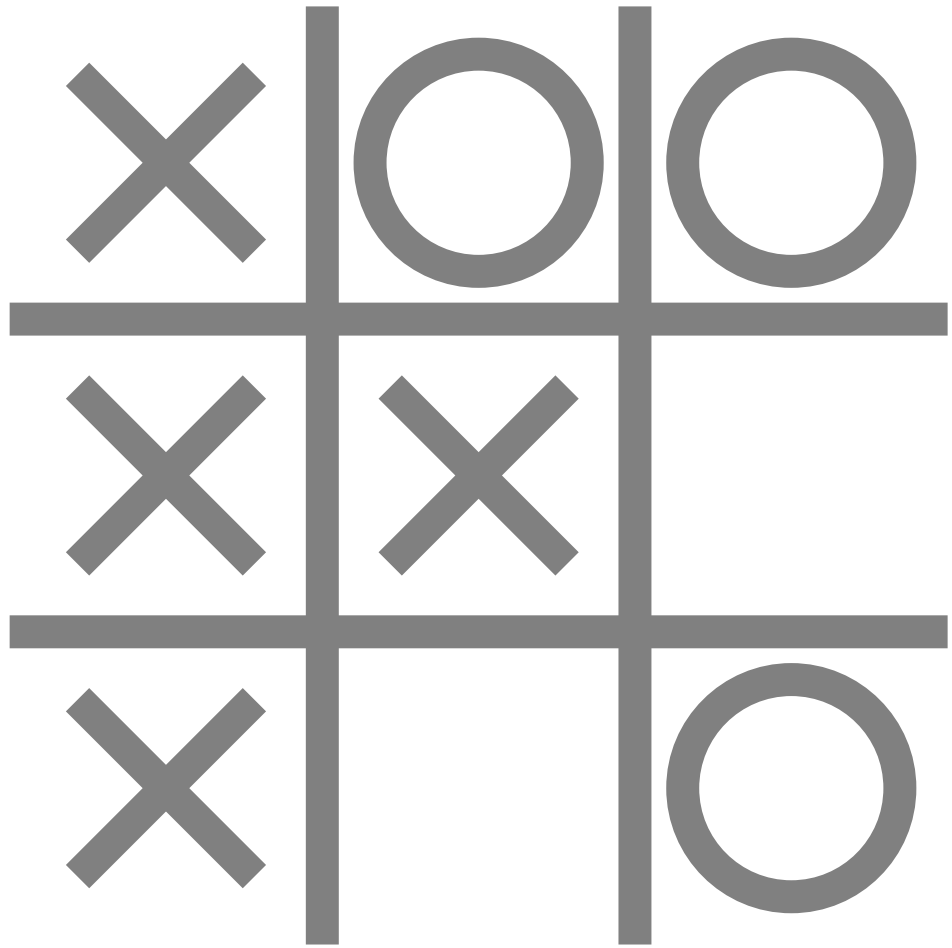

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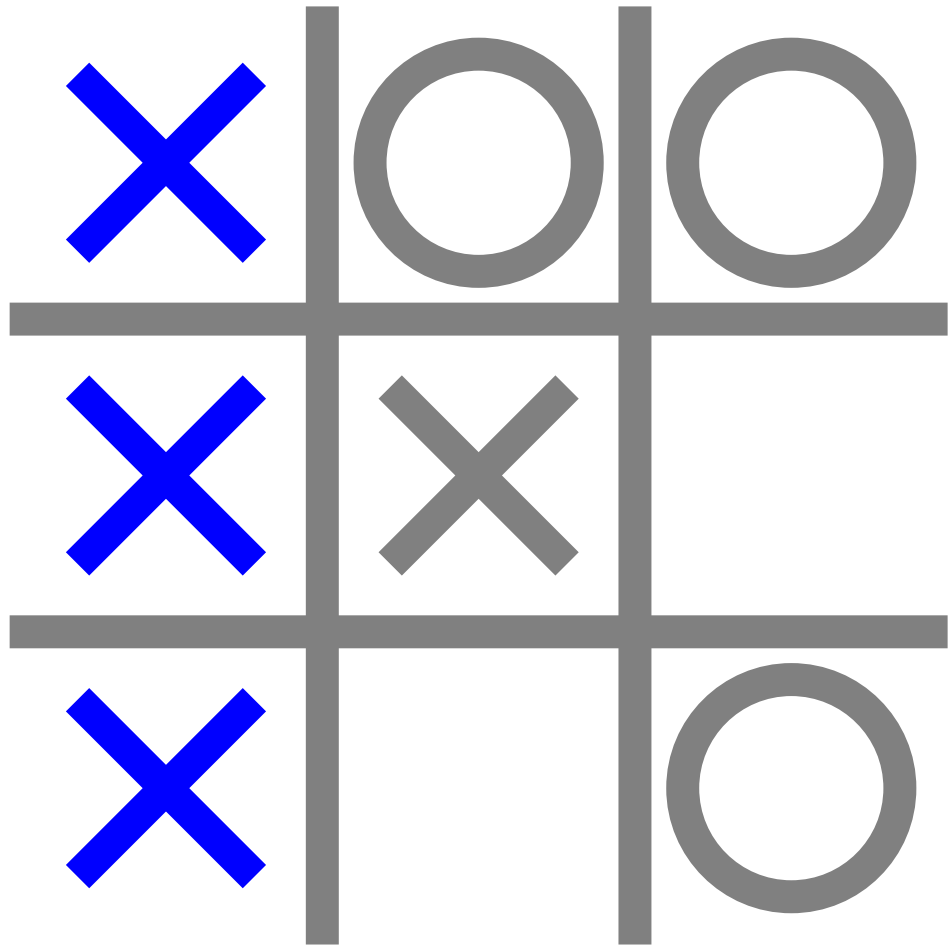

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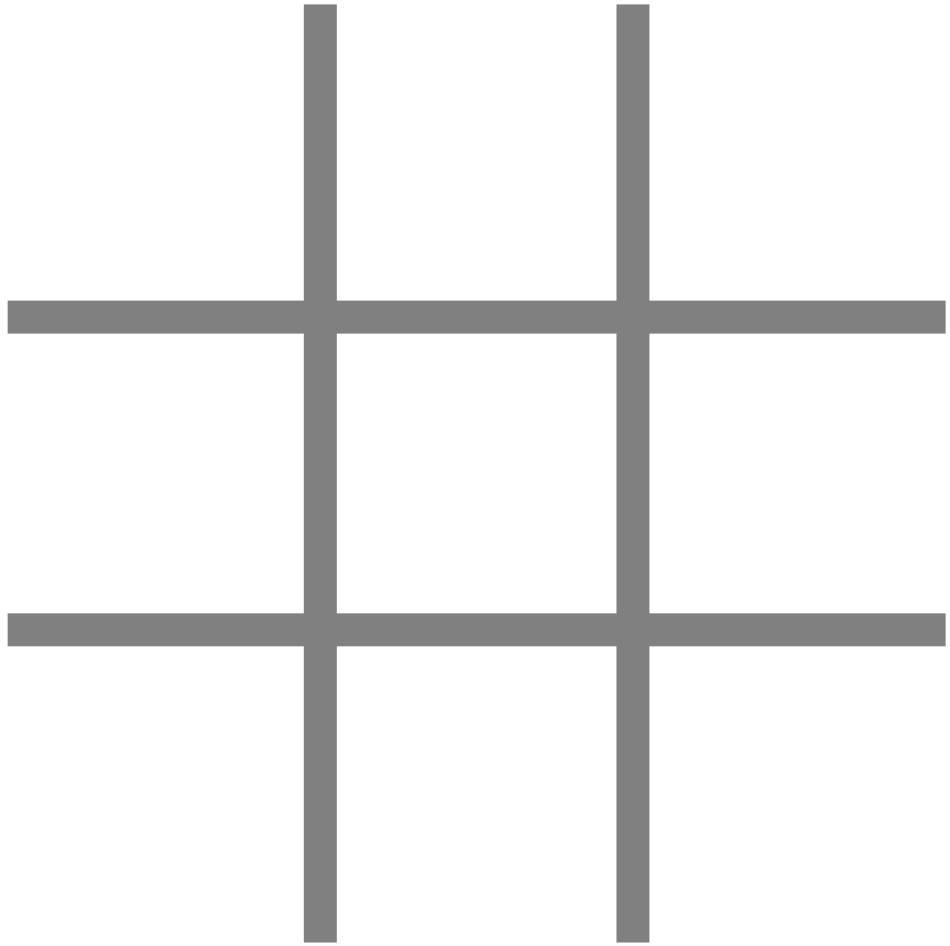

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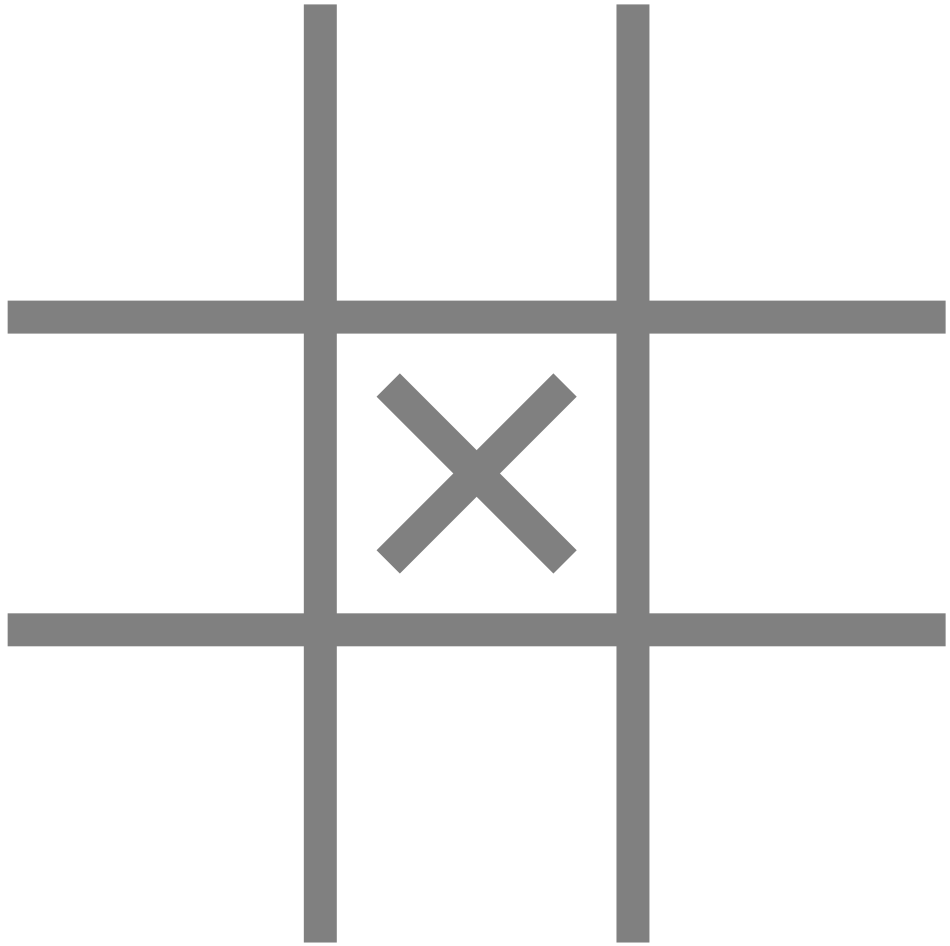

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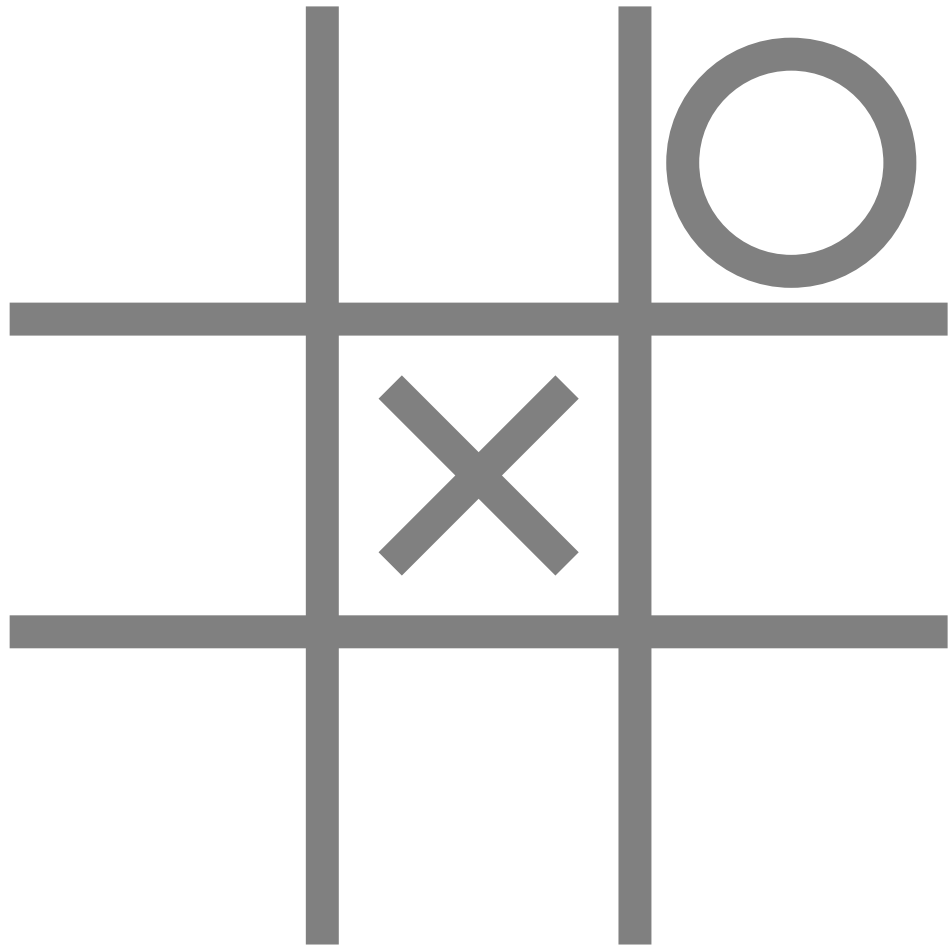

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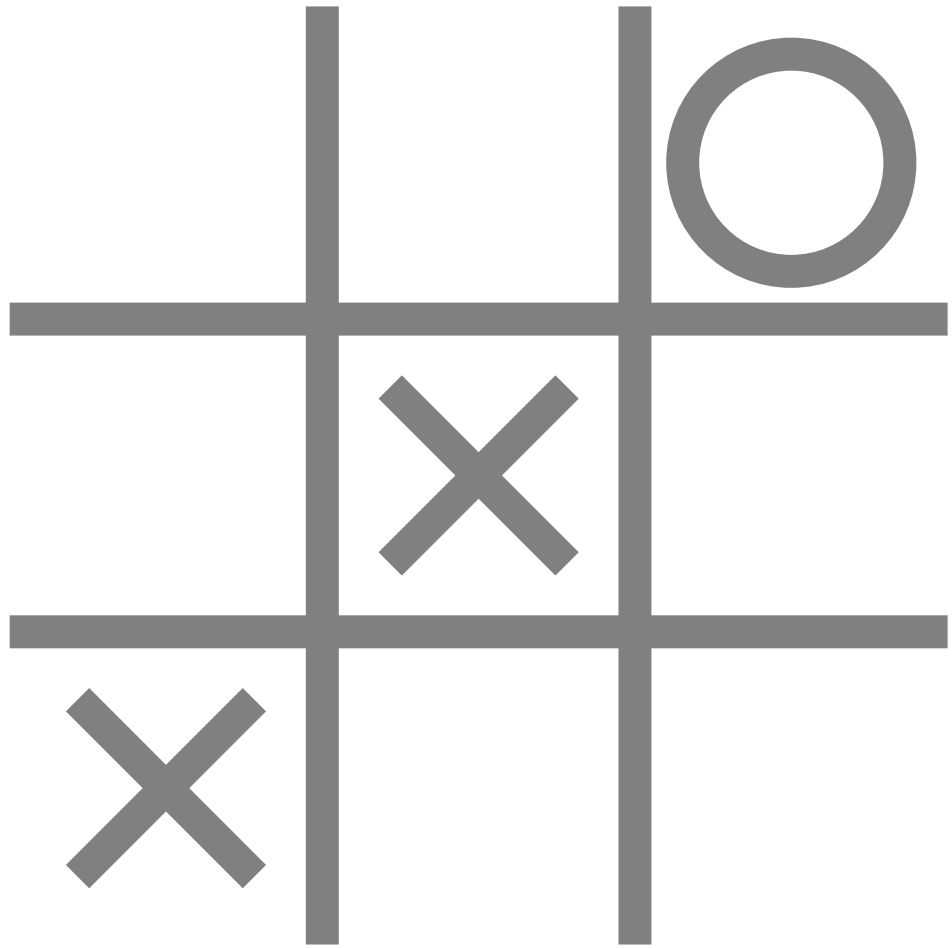

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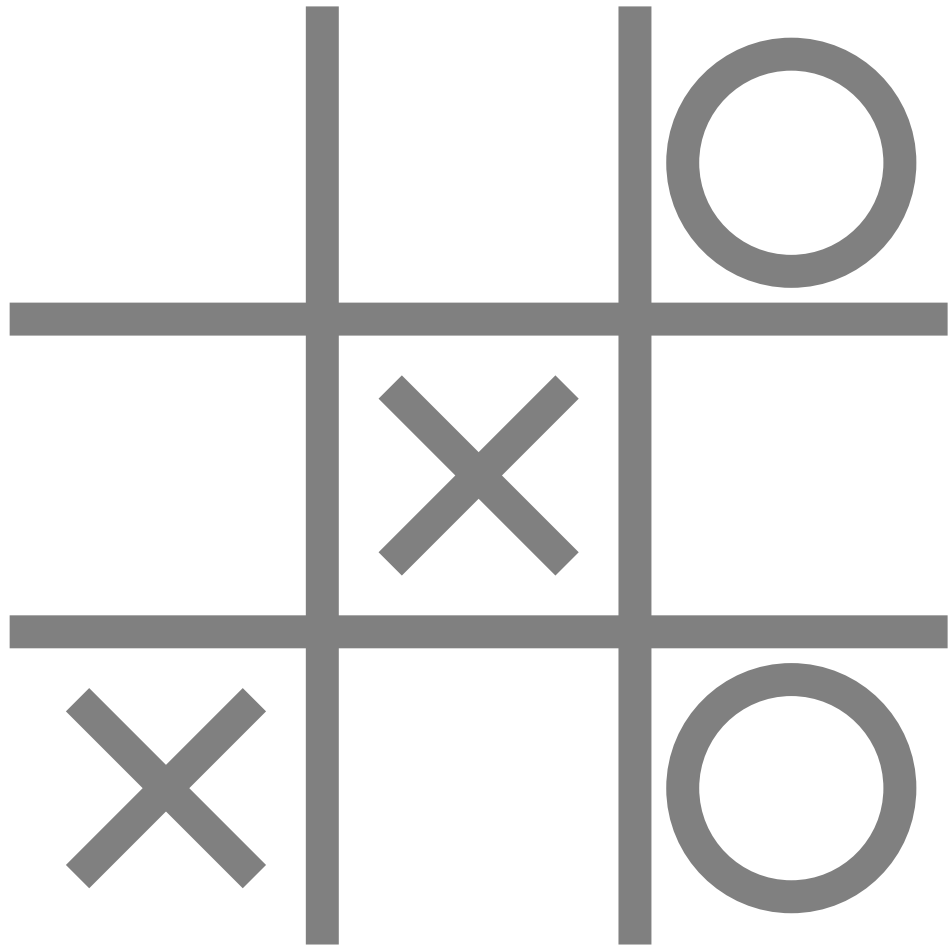

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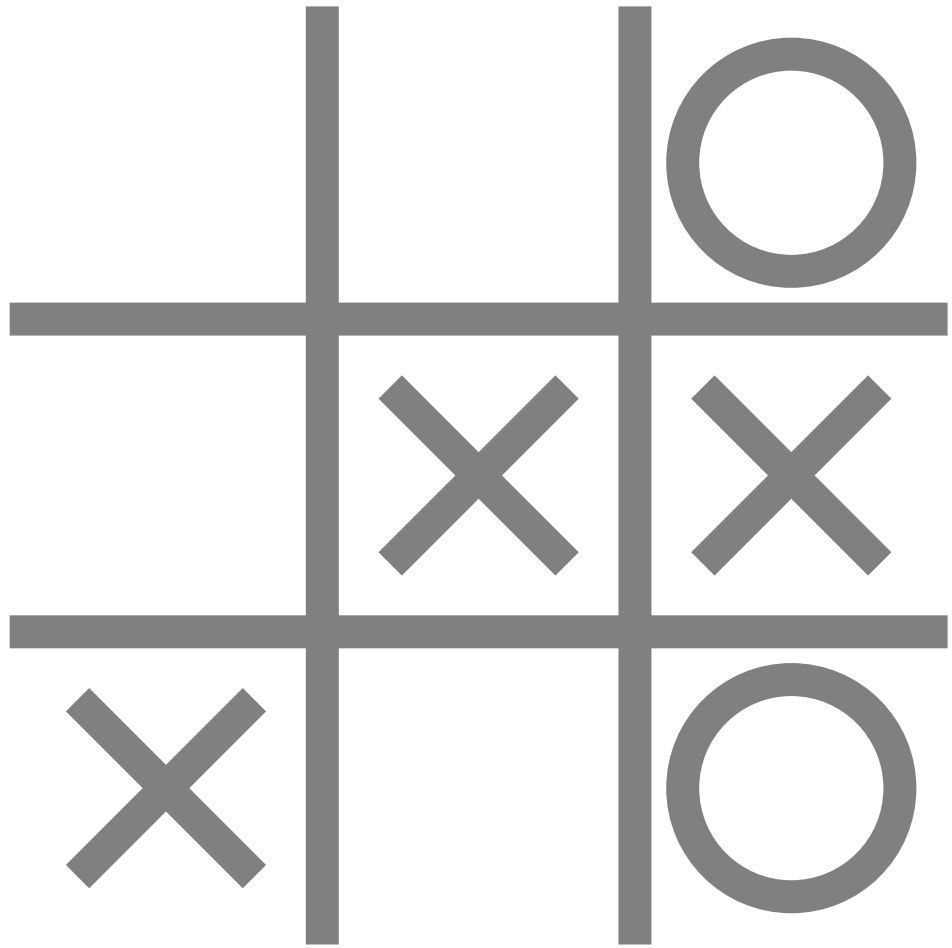

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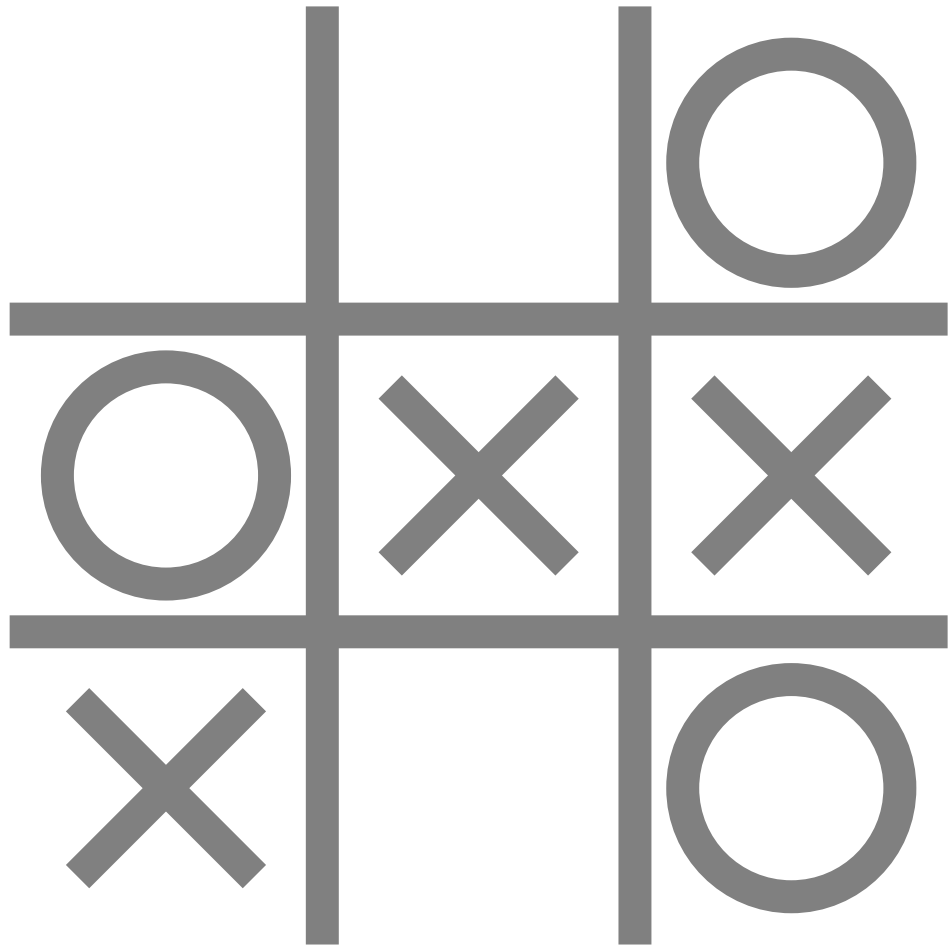

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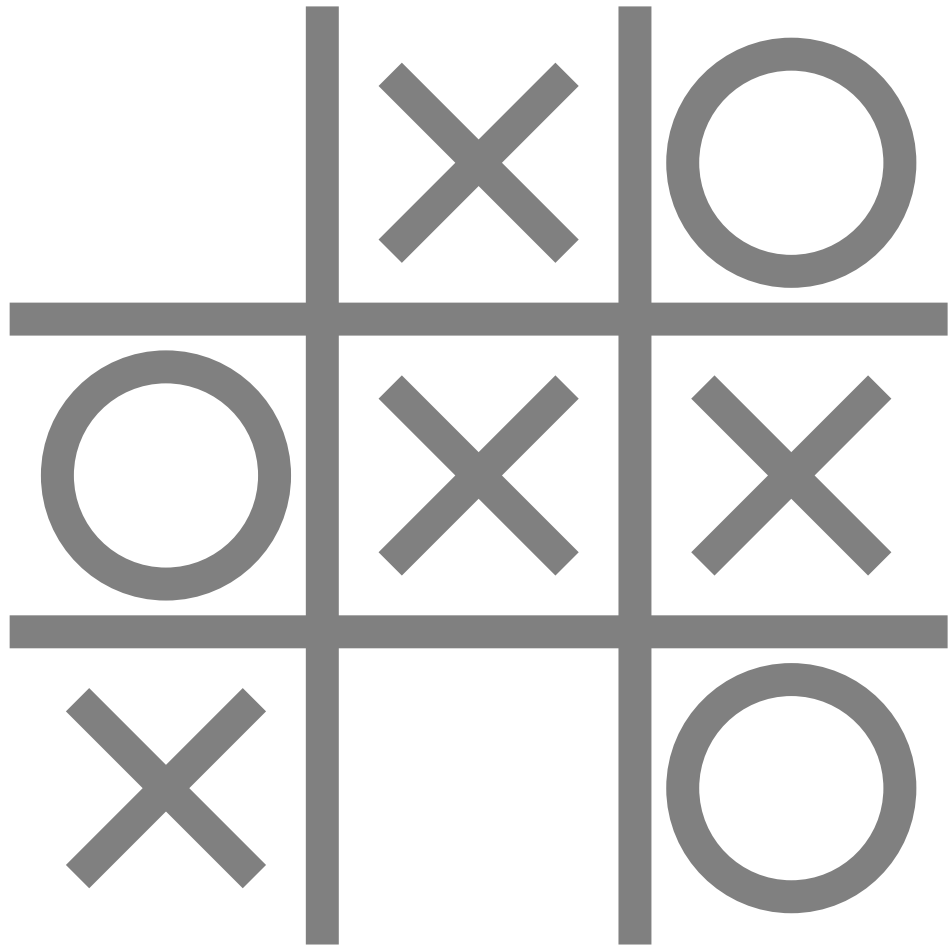

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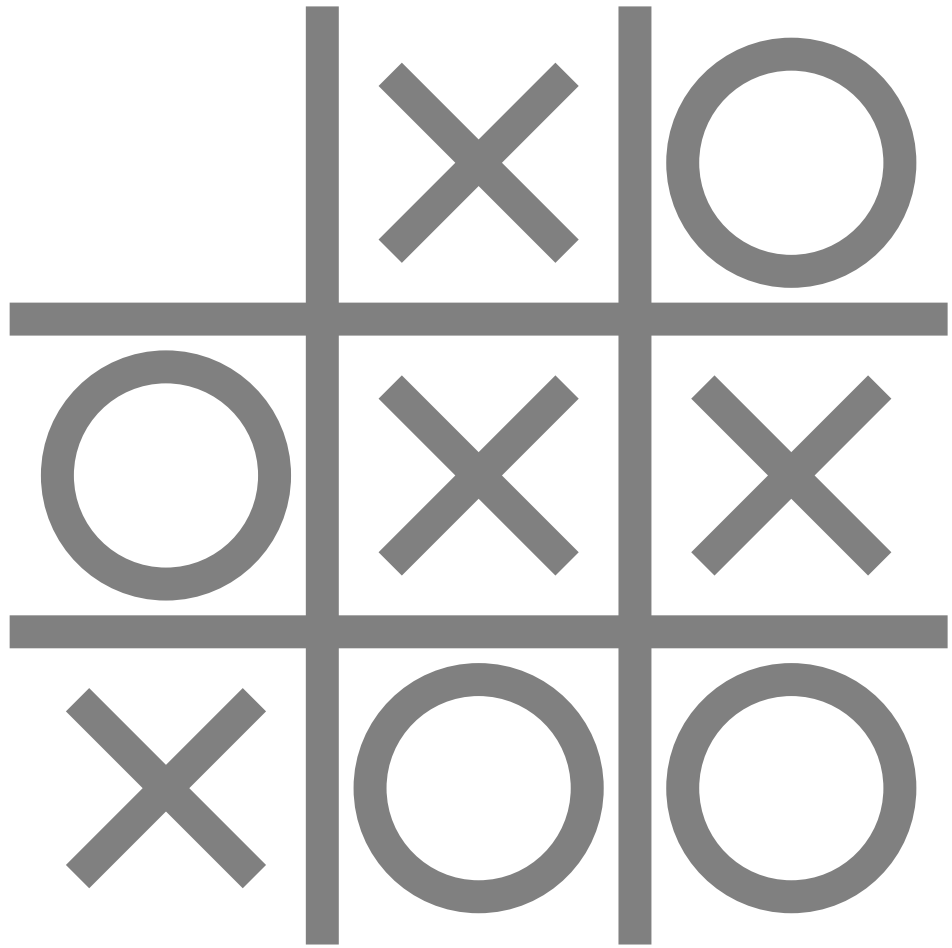

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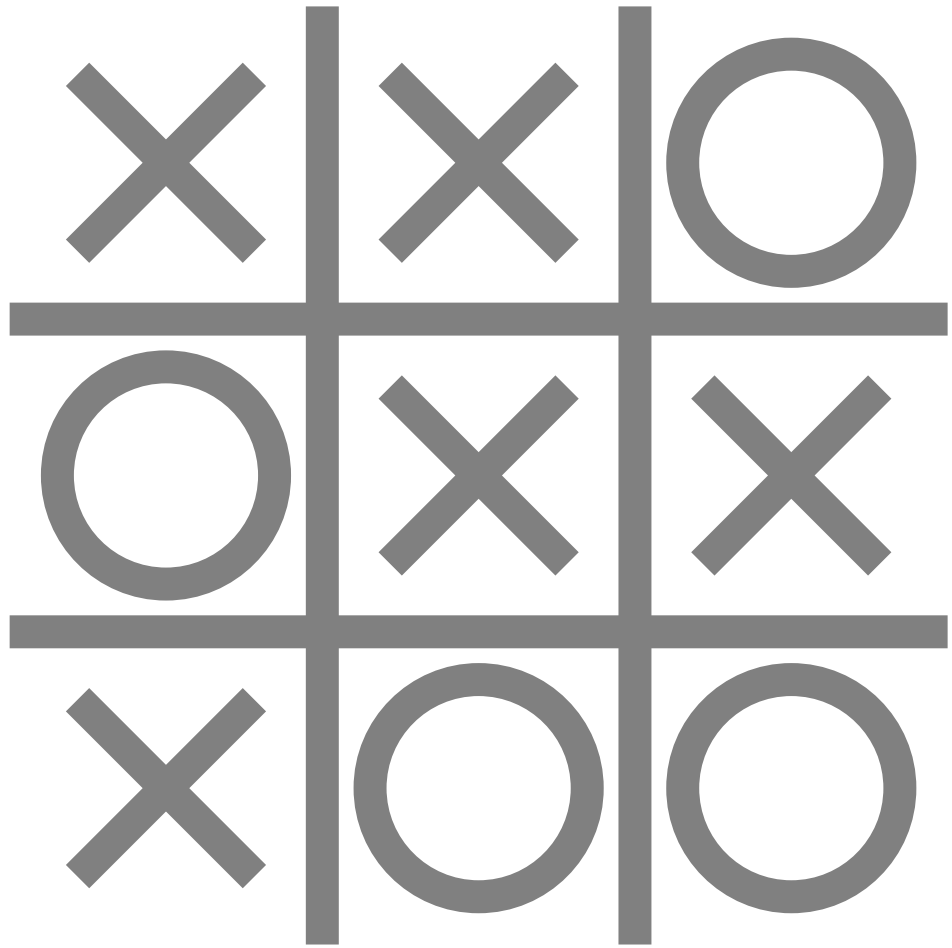

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Protecting Your Passwords

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Protecting Your Passwords

- Use the *Secure Socket Layer (SSL)*
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- *Use the Force, Luke!*

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Principles

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No one shall be subjected to arbitrary interference with his privacy, family, home or correspondence, nor to attacks upon his honour and reputation. Everyone has the right to the protection of the law against such interference or attacks.

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Art. 12, Universal Declaration Of Human Rights

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Protezione della sfera privata

1. *Ognuno ha diritto al rispetto della sua vita privata e familiare, della sua abitazione, della sua corrispondenza epistolare nonché delle sue relazioni via posta e telecomunicazioni.*
2. *Ognuno ha diritto d'essere protetto da un impiego abusivo dei suoi dati personali.*

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Art. 13, Costituzione della Confederazione Svizzera

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La libertà e la segretezza della corrispondenza e di ogni altra forma di comunicazione sono inviolabili.
La loro limitazione può avvenire soltanto per atto motivato dell'autorità giudiziaria con le garanzie stabilite dalla legge.

Art. 15, Costituzione della Repubblica Italiana

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Principles, Technology, Common Sense

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Principles, Technology, Common Sense

- Principles are. . . *principles*
- The use of technology is an irrelevant detail
- *Do the right thing!*

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Summary

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- The name of this game is *"learning about computer networks"*
  - I encourage you to play this game as much as you can. Trust me: it's a lot of fun!

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Do the right thing!

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