

If and only if

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The following statements are identical:¹

1. “ A implies B ($A \implies B$).”
2. “ B is implied by A ($B \impliedby A$).”
3. “ B if A .”
4. “ A only if B .”
5. “ B is necessary for A .”
6. “ A is sufficient for B .”
- 7.

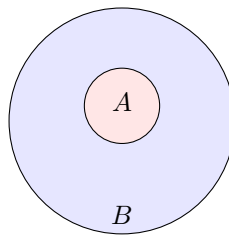


Figure 1: A implies B .

*This one goes out to Filip Lazaric.

¹Think A is “poodle” and B is “dog”.