

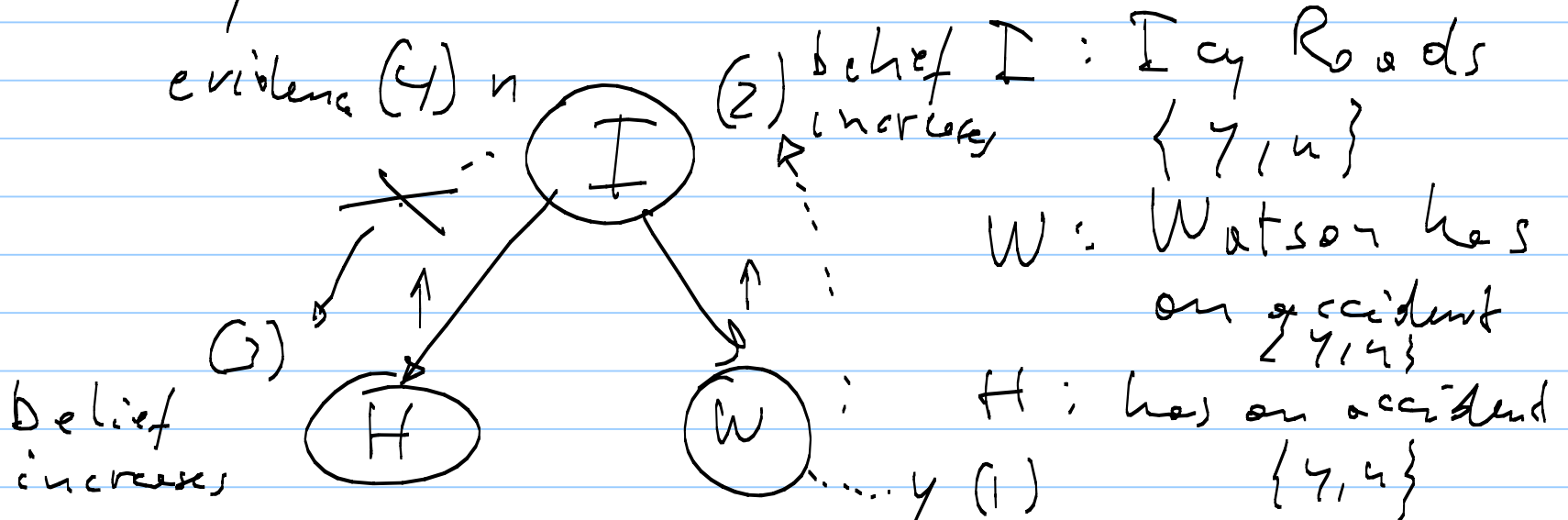
190

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Note Title

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Bayesian networks



(1) \rightarrow (2) is evidential reasoning (from effect to cause)
 (2) \rightarrow 3 is causal reasoning
 Cut on $I \rightarrow H$ link is an example of how

dependency/independency changes with
received evidence

$$P(D|S) = \frac{P(S|D) P(D)}{P(S)}$$

Bayes' rule
theorem

(the inversion formula)