

$$P[(b \vee r) \wedge \neg(b \wedge r) \mid D] = 1$$

$$P(\neg r \mid D) = 0.5$$

$$P[\neg(b \wedge r) \mid D] = 1$$

$$P(b \vee r \mid D) = 1$$

$$P(r \mid D) = 0.5$$

$$P(b \wedge r \mid D) = 0$$

$$P(b \mid D) = 0.5$$

- - - not  $\neg$   
 - - - and  $\wedge$   
 — or  $\vee$