STA 110
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Fall 1995 **Name:**_____

Quiz 2 (Ver 1)

Sherwood Story. Robin Hood hits the target with the probability 0.8 while the Sheriff of Nottingham hits the target with the probability 0.7. They shoot 2 arrows each and all shots are independent of each other.

(a) What event is more likely:

A: Sheriff hits the target at least once; or **B:** Robin hits the target at most once. Explain.

(b) They shoot in the following order: **S R S R.** What is the probability that the Sheriff scores before Robin?