Homework 6

1. (50 pts.) From the Bayesian network in Figure 14.2, p. 494, calculate $P(B \mid J, M, E)$
   
   (a) using the brute force algorithm.
   
   (b) using the variable elimination algorithm.

2. (50 pts.) From the Bayesian network in Figure 14.2, p. 494, calculate $P(B \mid J, M, \neg E)$:
   
   (a) using the brute force algorithm.
   
   (b) using the variable elimination algorithm.