Oluwakemi Omotonde 15 605 Assignment #8 Problem set #1

Your couleague eather commutes by train or by bus. 20days = train w/ .9 probability of being on time. 10 days = bus w/ .5 probability of being on time. Guen she is on time today, what is the probability the she took the bus today?

p.bus = .5

P. train = .9

P. train

 $\frac{1}{16} = \frac{1}{16} = \frac{1}{16} = \frac{30}{23} = \frac{5}{23} \approx .2174$