Exercise 16.10

Question

16.10 PY-RIC Enterprises

M.T. "Vic" Torrey heads the division of PY-RIC that launches communications satellites. Vic has to decide whether to go ahead with today's launch or delay it for more favorable conditions. At present the probability of a successful launch is estimated at 0.90. The resulting profits would be \$20M. If the launch fails, the loss of the payload costs \$120M. A month's delay would increase the probability of success to 0.95, but the profit would drop to \$10 M due to penalty fees paid to clients. If the launch is totally aborted, PY-RIC must refund clients \$10M.

- (a) Draw the decision tree.
- (b) What should Vic do if he decides only according to expected values of profit?

Solution from Manual

