ANU3.16

According to equation 3.8, for Y < I, $G_t = R_{t+1} + \gamma R_{t+2} + \gamma^2 R_{t+3} + \cdots$ $= \sum_{k=0}^{\infty} \gamma^k R_{t+k+1}$ $= R_{t+1} + c + \gamma (R_{t+2} + c) + \gamma^2 (R_{t+3} + c) + \cdots$ $= R_{t+1} + \gamma R_{t+2} + \gamma^2 R_{t+3} + \cdots + c (1 + \gamma + \gamma^2 + \cdots)$ $= R_{t+1} + \gamma R_{t+2} + \gamma^2 R_{t+3} + \cdots + c \sum_{k=0}^{\infty} \gamma^k R_{t+3} + \cdots + c \sum$

This proved above, cadding a constant to the above problem leaves the continuous task unchanged.

Ans 3.16. In case of episiodic talk it would affected exdering.

by adding a constant C to all the Rewards.

So, life say there is an episiodic task with a terminal state of them:

state of them:

then: = E[(R+1+C) + Y((R+2+C) + Y^2((R+3+C)) + ... + Y((R+1+2+C))] + Y((R+1+2+C)) + Y((R+1+2+C