

Episode 1 = Consider the point at state(s) = 2

$$g(2,0) = f(2,0)$$
 $f(max g(i,0), g(i,1)) = 0$

State 1
 $g(i,0) = f(i,0) + Y \times (max g(0,1)) = 1$

Episode - 2:-

 $g(2,3) = f(2,3) + Y (max (g(5,2), g(5,3))) = 0$
 $g(5,3) = f(5,3) + Y (max (g(5,2), g(6,3))) = 0$
 $g(6,3) = f(6,3) + Y (max (g(6,2), g(6,3))) = 0$

Episode - 3:-

 $g(2,1) = f(2,1) + Y (max (g(5,0), g(3,1)) = 0$
 $g(3,1) = f(3,1) + Y (max (g(4,0))) = 0$

Hence after traversing the evision-ment until the G values are sanzo 0.25 0.5 0.125 0.5 0.25 -0.93 0.125 0.25 0.5