

```
Sunny:
  V1 = 0.135 y2
                                Vn (sunny) = 4.906
  V1 = 0.135 (8.54) 1.1529
     0.235 0.235
Step 5:
General Form: Vx(s) = max {R(s,a) + ys' & P(s') s, a) v * (s')}
 For Sunny (r, ) wing Picnics:
     re (sunny) = 5 + 0.9 (0.8, +0.2,)
For Cloudy (12) using Picnic:
     ve(cloudy)=3+0.9(0.4, +0.6/2)
                          Cloudy:
 Sunny:
    V, = 5 + 0.72 v, + 0.18 v, V2 = 3 + 0.36 v, + 0.54 v2
    v, -0.72v, -0.18v, = 5
                                V2 - 0.364 - 0.54 = 3
                                   -0.34, +0.35 v2 = 3
     0.28,-0.18,=5
 Step 4:
  From the sunny equation: Using the equation for cloudy:
    0.28, = 5 + 0.18/2
                               -0.3CV, +0.4612=3
    V = 5+0.18/2
                              -0.36v, (5+0.18x2)+0.46v2=3
                                     Vx(sunny)
   v. (cloudy)
                                          0.28 v - 0.18 v, =5
  = 6.36 v, x 6.28 v, -0.36 × 0.18 v3 = 0.36 × 5
                                         0.284, - 0.18(41.25) = 5
    0.1008y -00648x = 1.8
                                          0.28, -7425= 5
                                          0.284, = 5 +7.425 = 12.925
     0.28x (186), +0.28x0.46v2=0.28x3
       -0.1008y + 0.1288 x = 0.19
      C-0.0648+0.1288),=1.8+0.84
       0.0640v2 = 2.64
                                       V* (sunny) = V, = 44.35
     v = 2.69 = 41.25
     1=(cloudy)=12=41.25
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Step 7: qc1, school)=5+0.9(0.8 * 94.375+0.2 * 41.25) = 44.375 q(1, Home) = -5+0.9(0.9 x 94.375+0.1 x 91.25) = 34.657 q(2, school)=3+0.9(0.9* 44.375+0.6 * 41.25)= 41.25 q(2, Home) = 1+0.9 (0.3 + 44.375 + 0.7 * 41.25) = 38.969