*Part 2*

*R(A) = .2/4 + (1-.2) \* [R(D)/C(D)] =.2/4 + (1-.2) \* [1/2] =.05 +.8\*.5= .45*

*R(B) = .2/4 + (1-.2) \* [R(A)/C(A)+ R(C)/C(C)+ R(D)/C(D] = 1.25*

*R(C) = .2/4 + (1-.2) \* [R(A)/C(A)] = .2/4 + (1-.2) \* [1/2] =.05 +.8\*.5= .45*

*R(D) = .2/4 + (1-.2) \* [R(C)/C(C)] = .2/4 + (1-.2) \* [1/2] =.05 +.8\*.5= .45*

Part 3

*R(A) = .2/4 + (1-.2) \* [R(D)/C(D)] =.2/4 + (1-.2) \* [.45/2] = .23*

*R(B) = .2/4 + (1-.2) \* [R(A)/C(A)+ R(C)/C(C)+ R(D)/C(D] = .59*

*R(C) = .2/4 + (1-.2) \* [R(A)/C(A)] = .2/4 + (1-.2) \* [.45/2] =.23*

*R(D) = .2/4 + (1-.2) \* [R(C)/C(C)] = .2/4 + (1-.2) \* [.45/2] = .23*