```
Flow 1: (offset, period, delay, arrival_prob, success_prob) = (0, 1, 2, 0.200000, 0.400000)
Flow 2: (offset, period, delay, arrival_prob, success_prob) = (0, 1, 2, 0.200000, 0.600000)
weighted_sum, w=utility_coeff=[1.000000,1.000000,]

Finish getOptimalSolutionRAC with time 6.606272 seconds
Finish getApproximateSolutionRAC with time 1.248761 seconds
Finish getBalancePrimalSolution with time 1.247677 seconds
Finish getBalanceDualSolution with time 1.200048 seconds

optimal_utility_RAC=0.257568
optimal_utility_RAC_approx=0.285375
optimal_utility_balance_primal=0.361905
optimal_utility_balance_dual=0.361905
delta=0.268170
lambda=0.180952
h(1)=0.066667
h(2)=0.114286

=============================================================================================================
Flow 1, lambda=0.180952, h1=0.066667, lambda+h1=0.247619

Transition matrix for a1=0, not schedule
       -,     1=(0  0),     2=(0  1),     3=(1  0),     4=(1  1)
1=(0  0),     0.800000,     0.200000,     0.000000,     0.000000
2=(0  1),     0.000000,     0.000000,     0.800000,     0.200000
3=(1  0),     0.800000,     0.200000,     0.000000,     0.000000
4=(1  1),     0.000000,     0.000000,     0.800000,     0.200000

Transition matrix for a1=1, schedule
       -,     1=(0  0),     2=(0  1),     3=(1  0),     4=(1  1)
1=(0  0),     0.800000,     0.200000,     0.000000,     0.000000
2=(0  1),     0.320000,     0.080000,     0.480000,     0.120000
3=(1  0),     0.800000,     0.200000,     0.000000,     0.000000
4=(1  1),     0.000000,     0.000000,     0.800000,     0.200000

Balance-primal, Balance-dual information
      s1,   w1*r(s1,1),      z(s1,0),      z(s1,1),       mu(s1),  DeltaPhi(s1,0),  DeltaPhi(s1,1), w1*r(s1,1)+DeltaPhi(s1,1)
1=(0  0),     0.000000,     0.882206,     0.000000,     0.000000,        0.066667,        0.066667,                    0.066667
2=(0  1),     0.400000,     0.000000,     0.220551,     0.333333,       -0.076190,       -0.152381,                    0.247619
3=(1  0),     0.400000,     0.000000,     0.132331,     0.219048,       -0.152381,       -0.152381,                    0.247619
4=(1  1),     0.400000,     0.000000,     0.033083,     0.409524,       -0.152381,       -0.152381,                    0.247619

=============================================================================================================
Flow 2, lambda=0.180952, h2=0.114286, lambda+h2=0.295238

Transition matrix for a2=0, not schedule
       -,     1=(0  0),     2=(0  1),     3=(1  0),     4=(1  1)
1=(0  0),     0.800000,     0.200000,     0.000000,     0.000000
2=(0  1),     0.000000,     0.000000,     0.800000,     0.200000
3=(1  0),     0.800000,     0.200000,     0.000000,     0.000000
4=(1  1),     0.000000,     0.000000,     0.800000,     0.200000

Transition matrix for a2=1, schedule
       -,     1=(0  0),     2=(0  1),     3=(1  0),     4=(1  1)
1=(0  0),     0.800000,     0.200000,     0.000000,     0.000000
2=(0  1),     0.480000,     0.120000,     0.320000,     0.080000
3=(1  0),     0.800000,     0.200000,     0.000000,     0.000000
4=(1  1),     0.000000,     0.000000,     0.800000,     0.200000

Balance-primal, Balance-dual information
      s2,   w2*r(s2,1),      z(s2,0),      z(s2,1),       mu(s2),  DeltaPhi(s2,0),  DeltaPhi(s2,1), w2*r(s2,1)+DeltaPhi(s2,1)
1=(0  0),     0.000000,     0.922306,     0.000000,     0.000000,        0.114286,        0.114286,                    0.114286
2=(0  1),     0.600000,     0.000000,     0.230576,     0.571429,       -0.076190,       -0.304762,                    0.295238
3=(1  0),     0.600000,     0.000000,     0.092231,     0.419048,       -0.304762,       -0.304762,                    0.295238
4=(1  1),     0.600000,     0.000000,     0.023058,     0.800000,       -0.304762,       -0.304762,                    0.295238
```