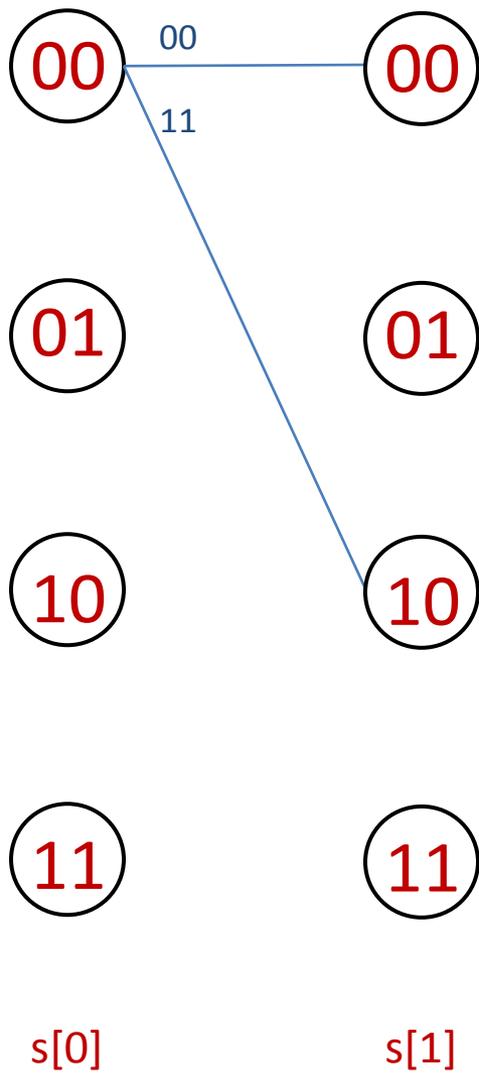
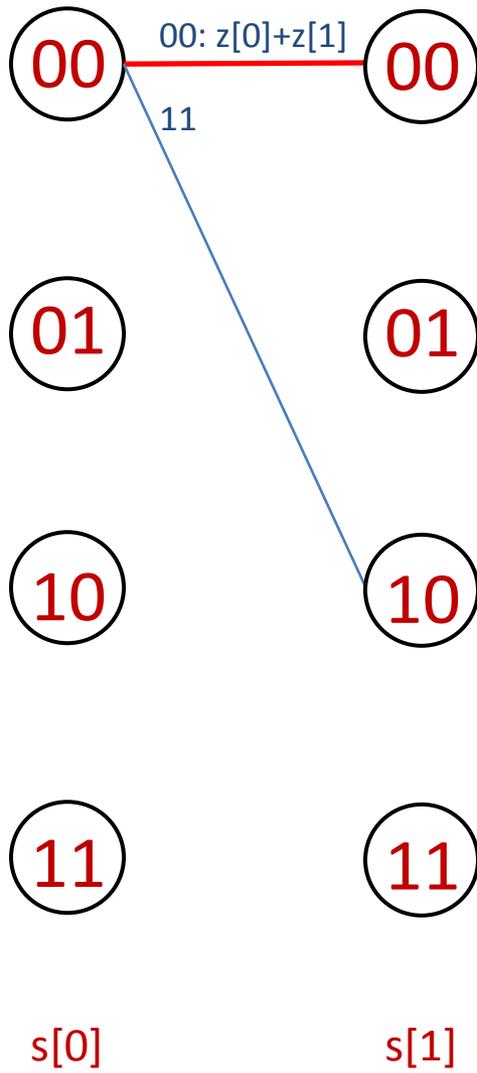




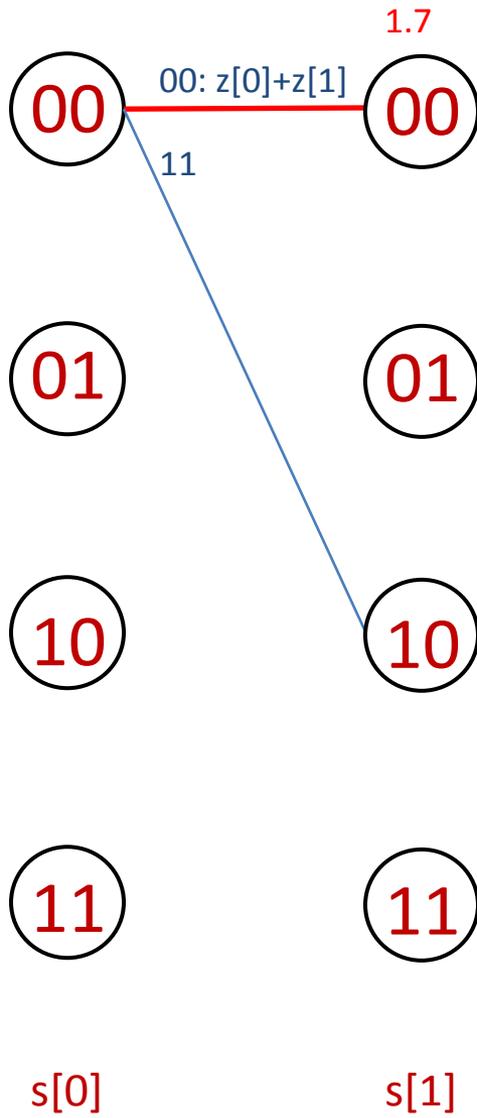
$z[0], z[1]$



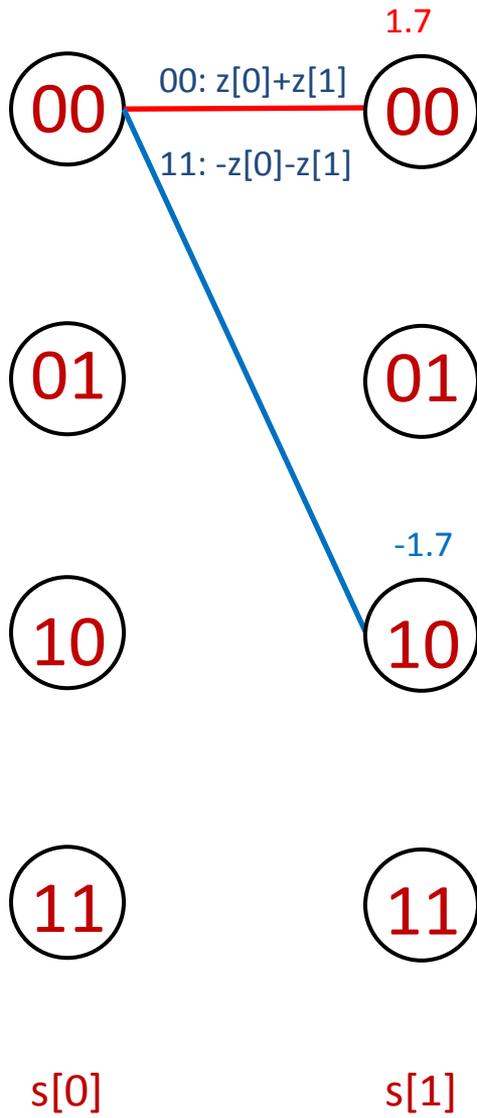
$z[0], z[1]=0.9, 0.8$



$z[0], z[1]=0.9, 0.8$

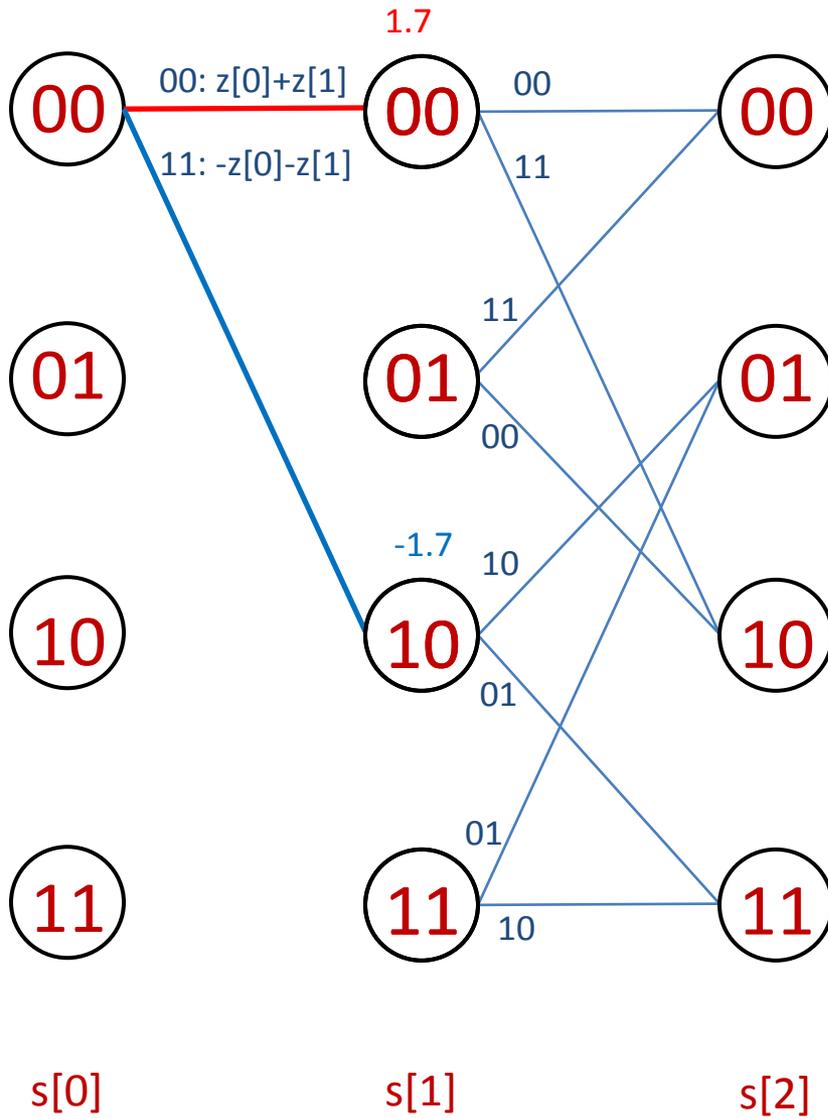


$z[0], z[1]=0.9, 0.8$



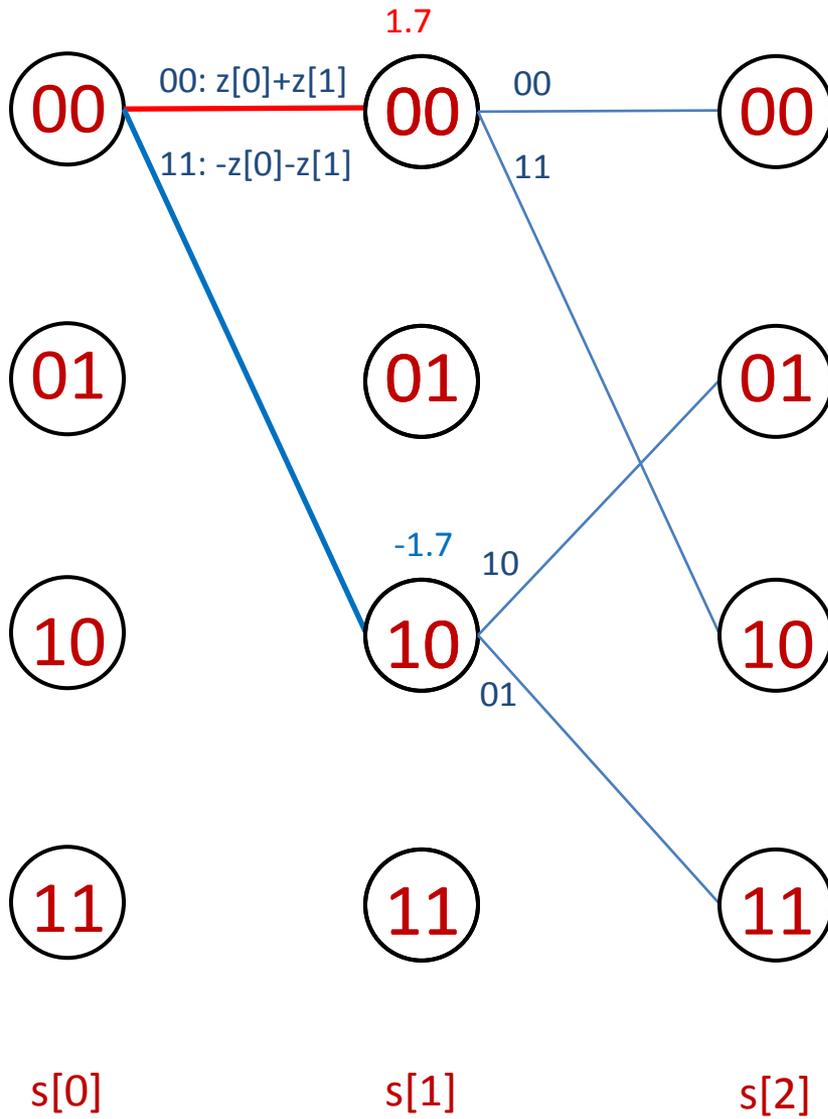
$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$



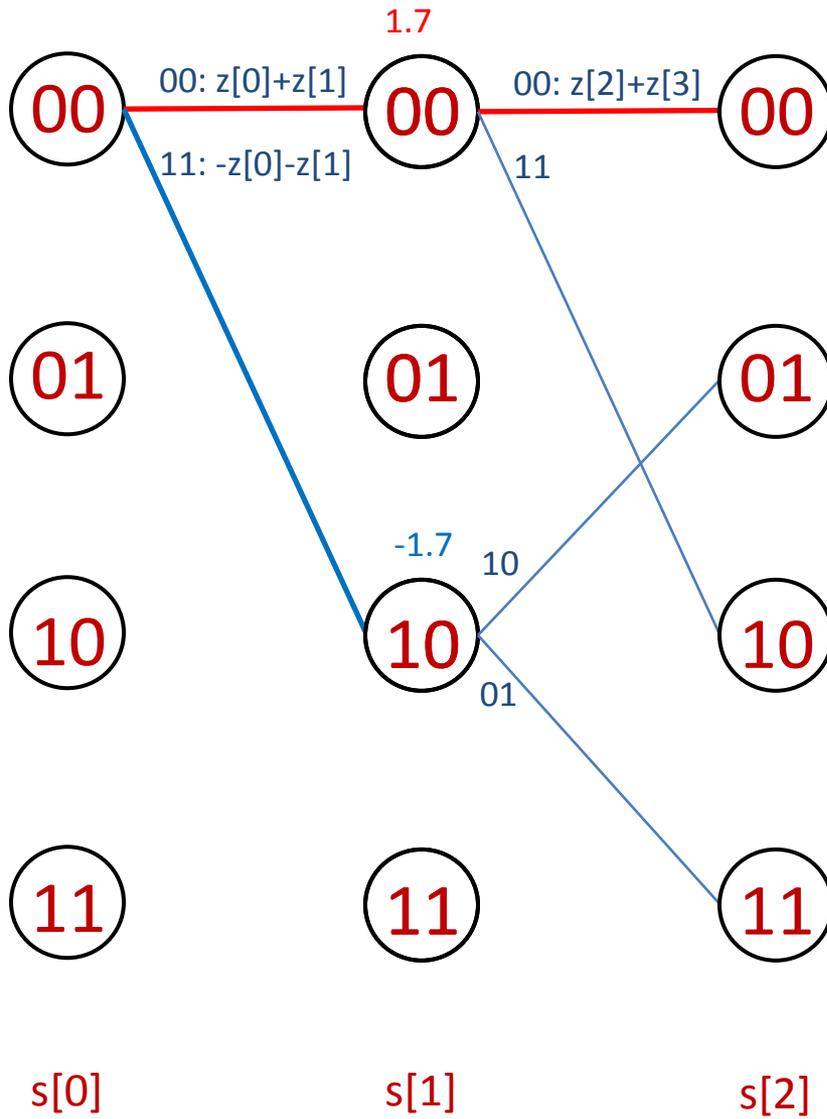
$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$



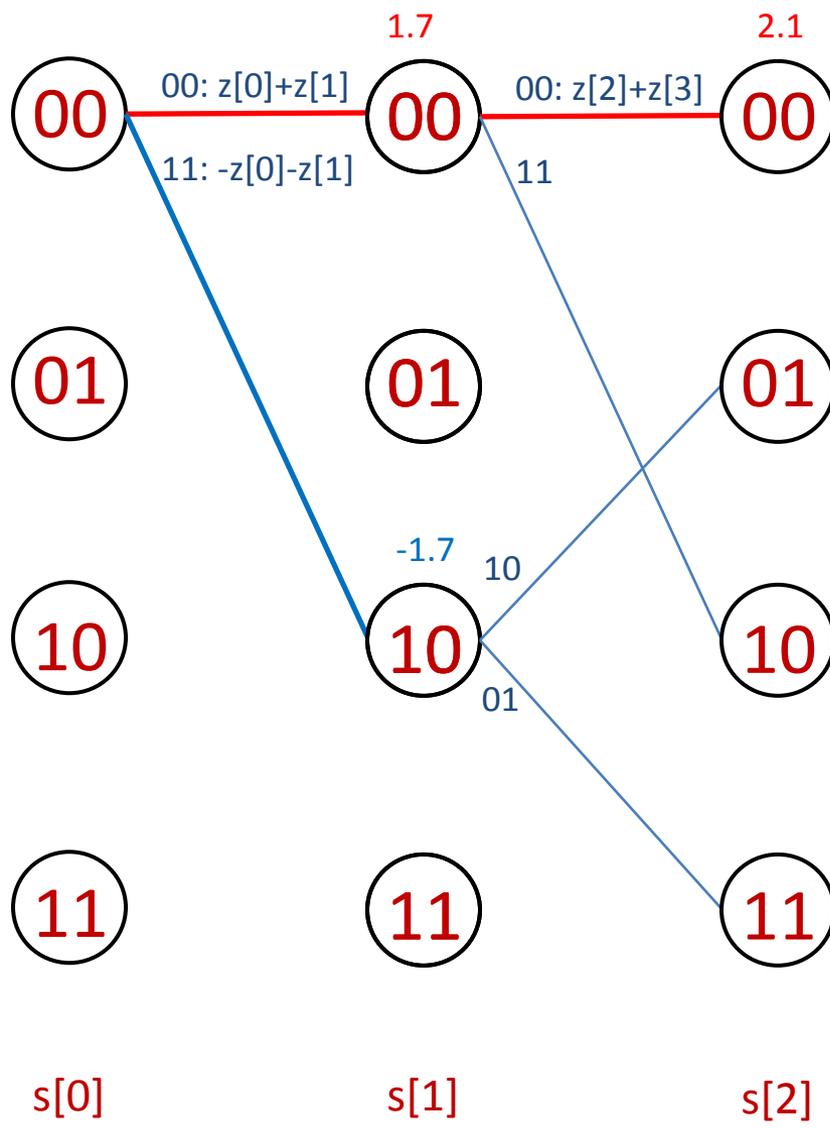
$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$



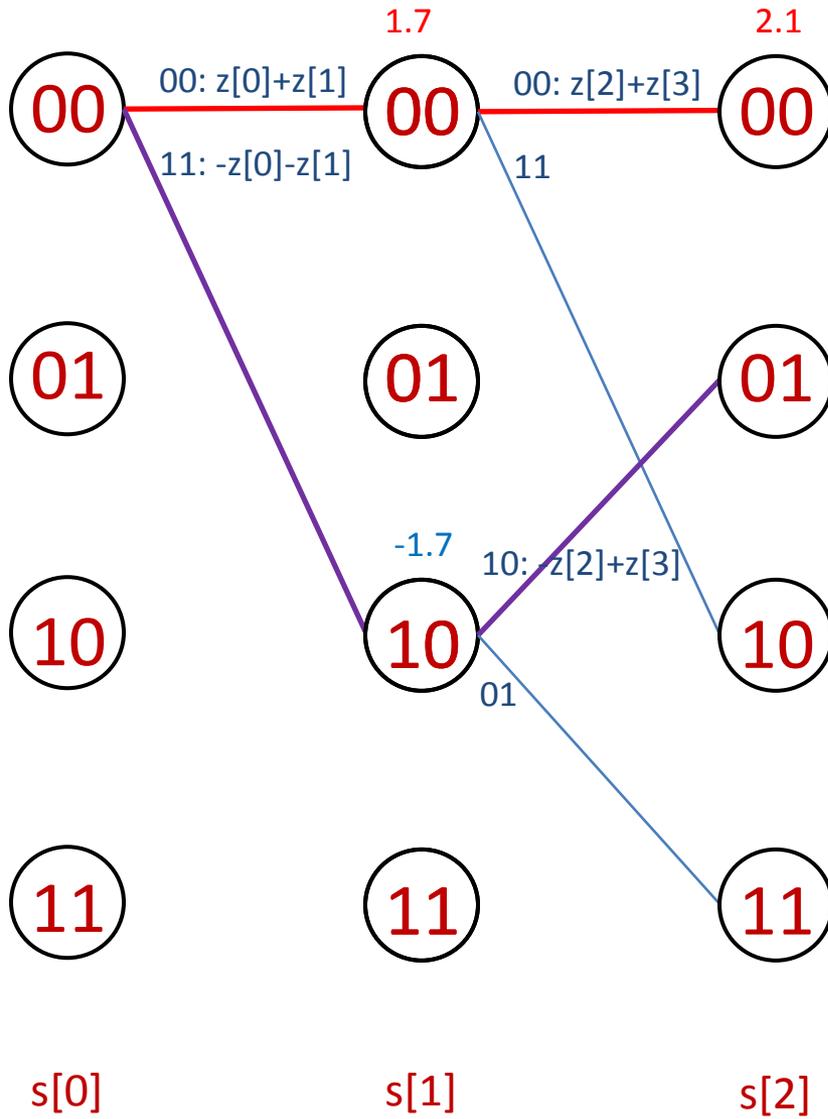
$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$



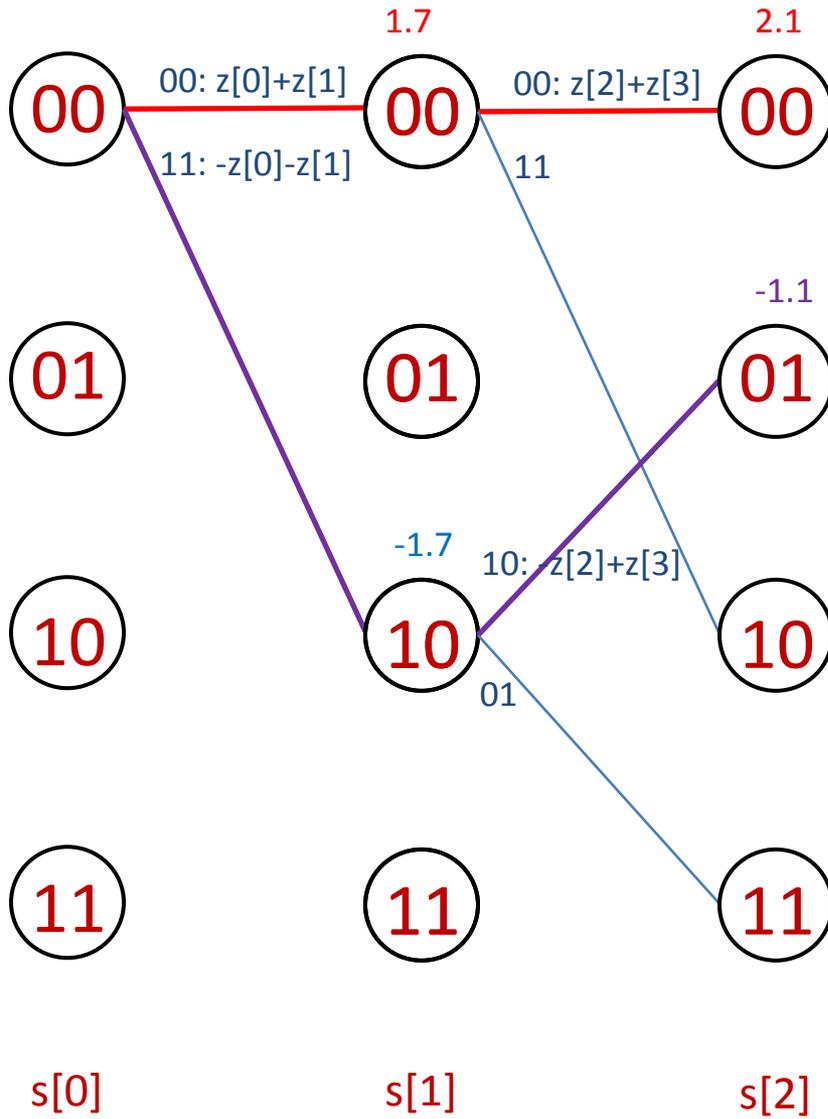
$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$



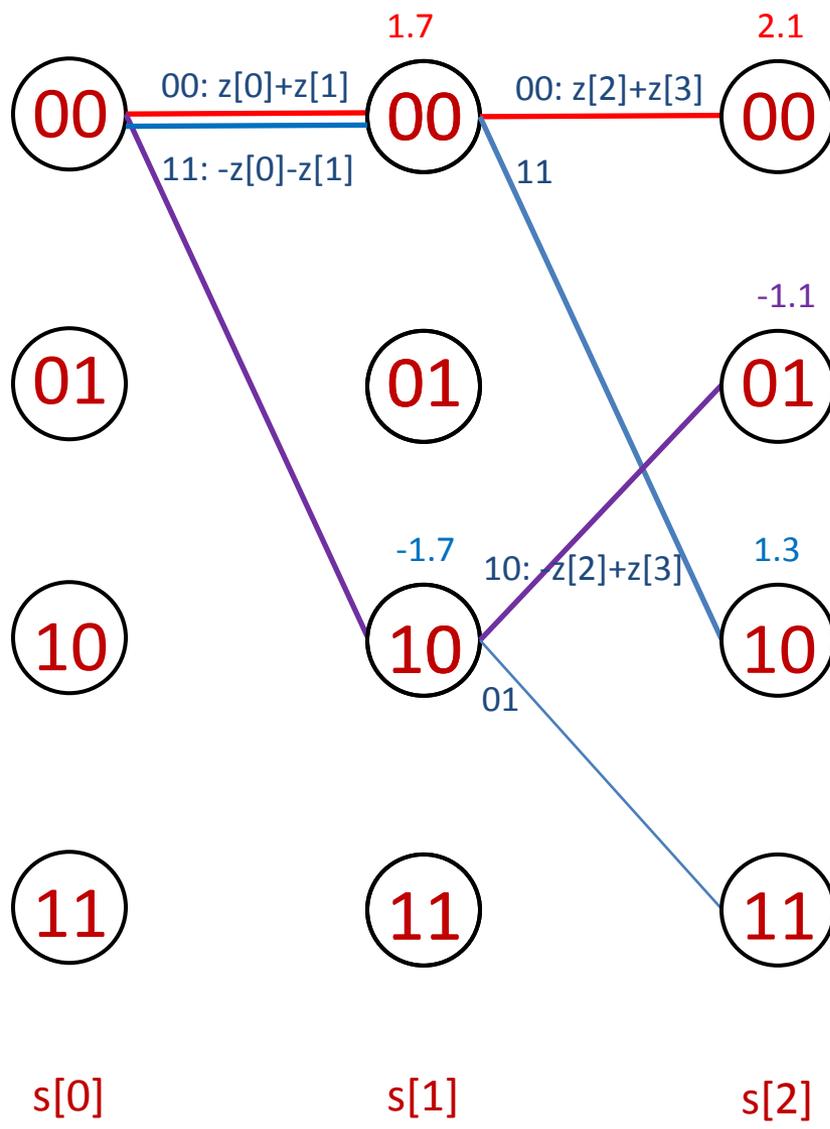
$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$



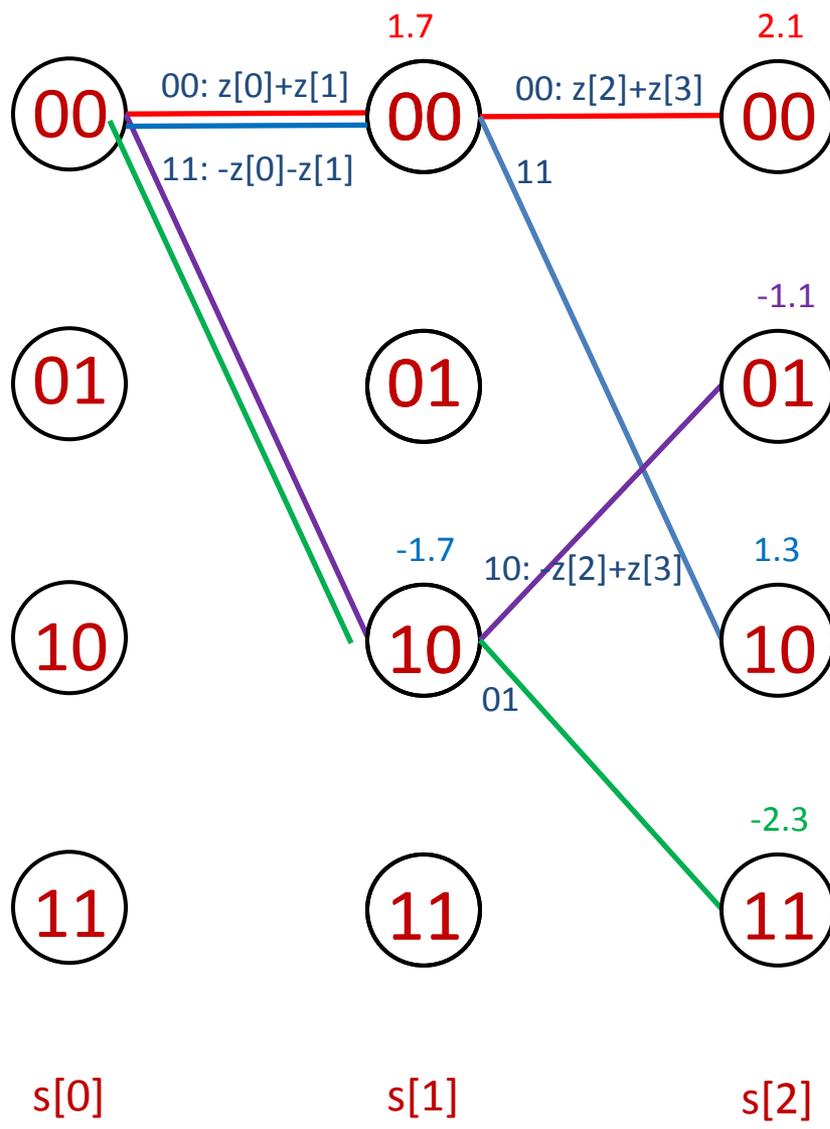
$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$



$z[0], z[1]=0.9, 0.8$

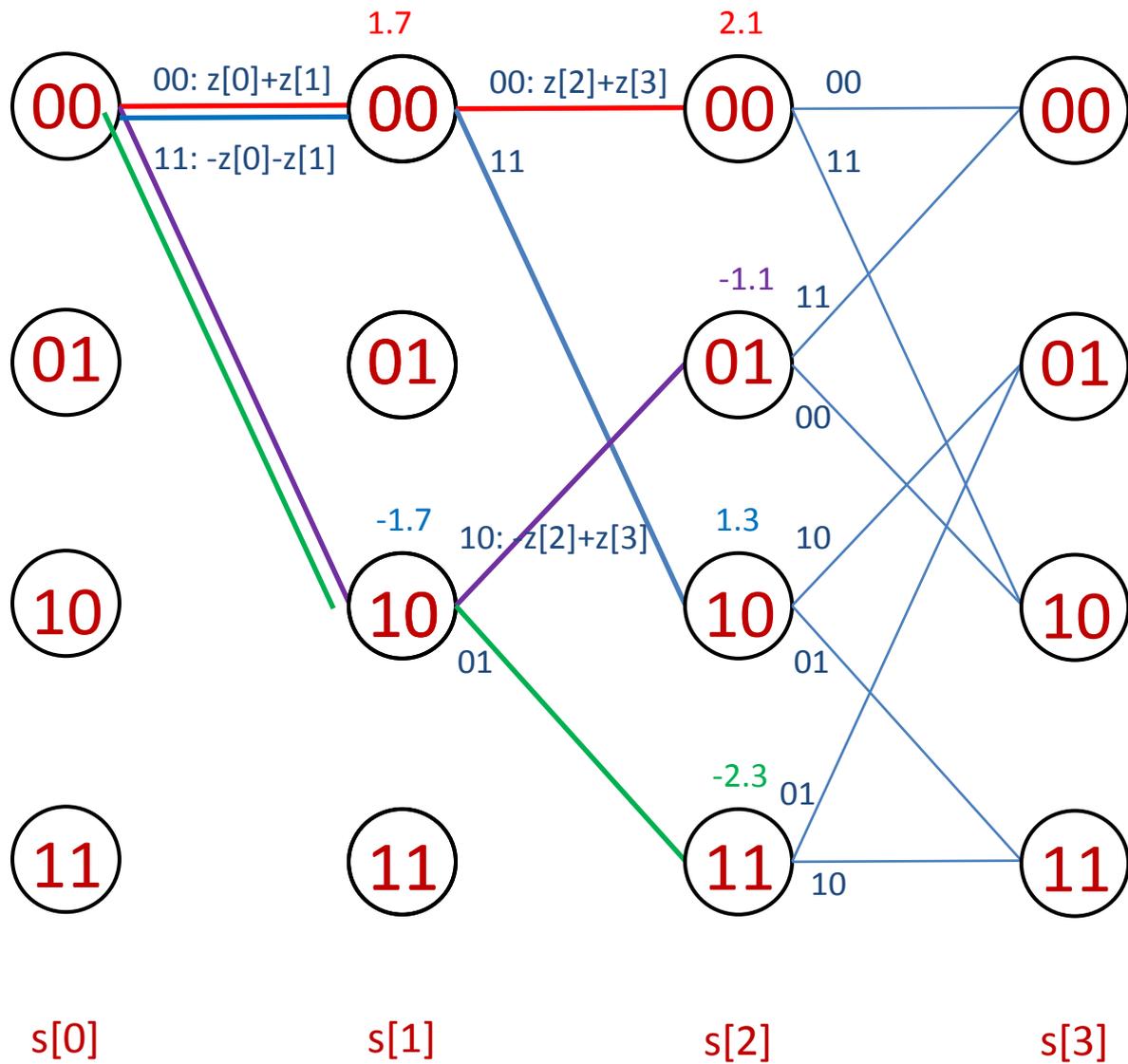
$z[2], z[3]=-0.1, 0.5$



$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

$z[4], z[5]=0.3, 0.2$

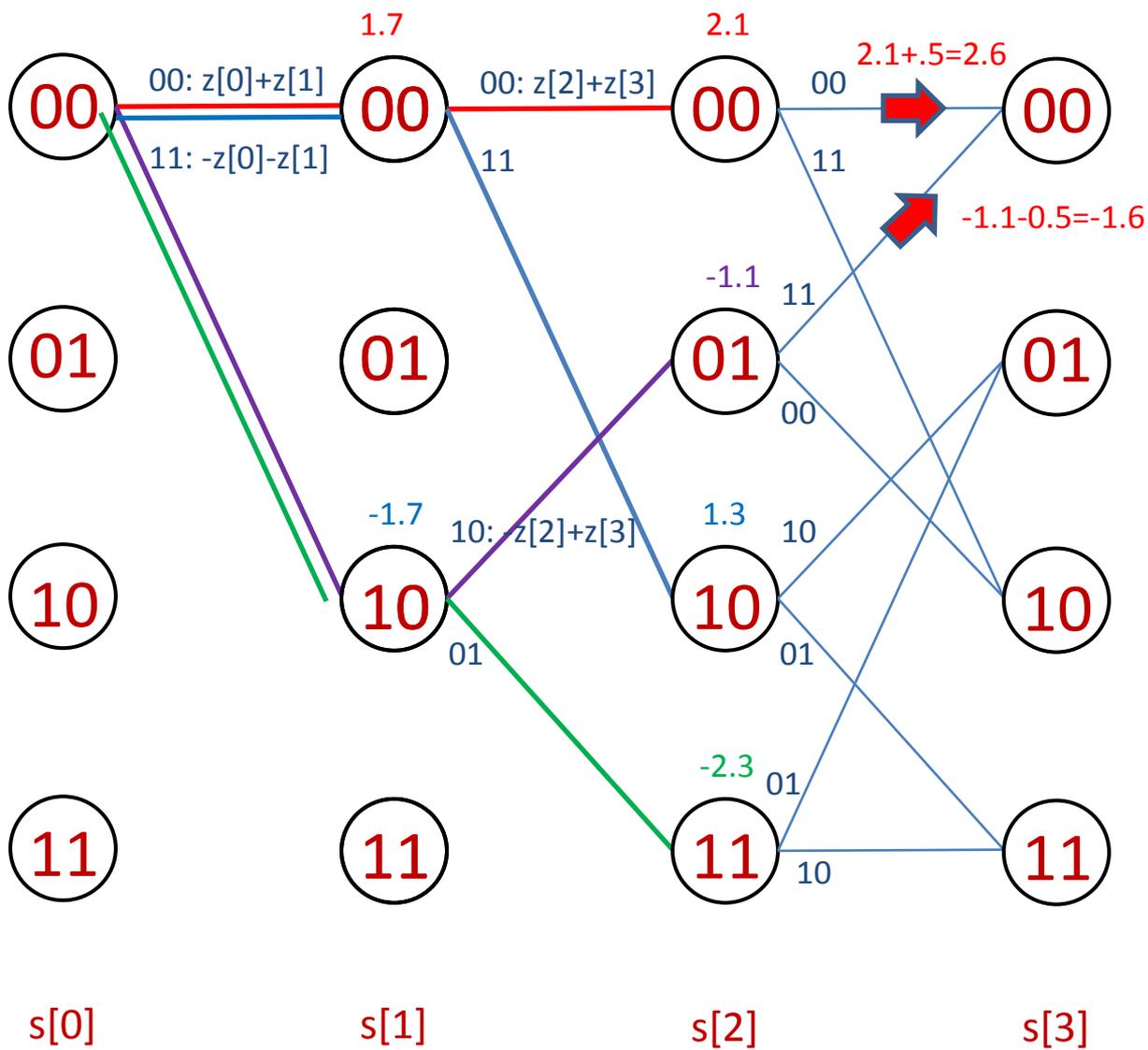




$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

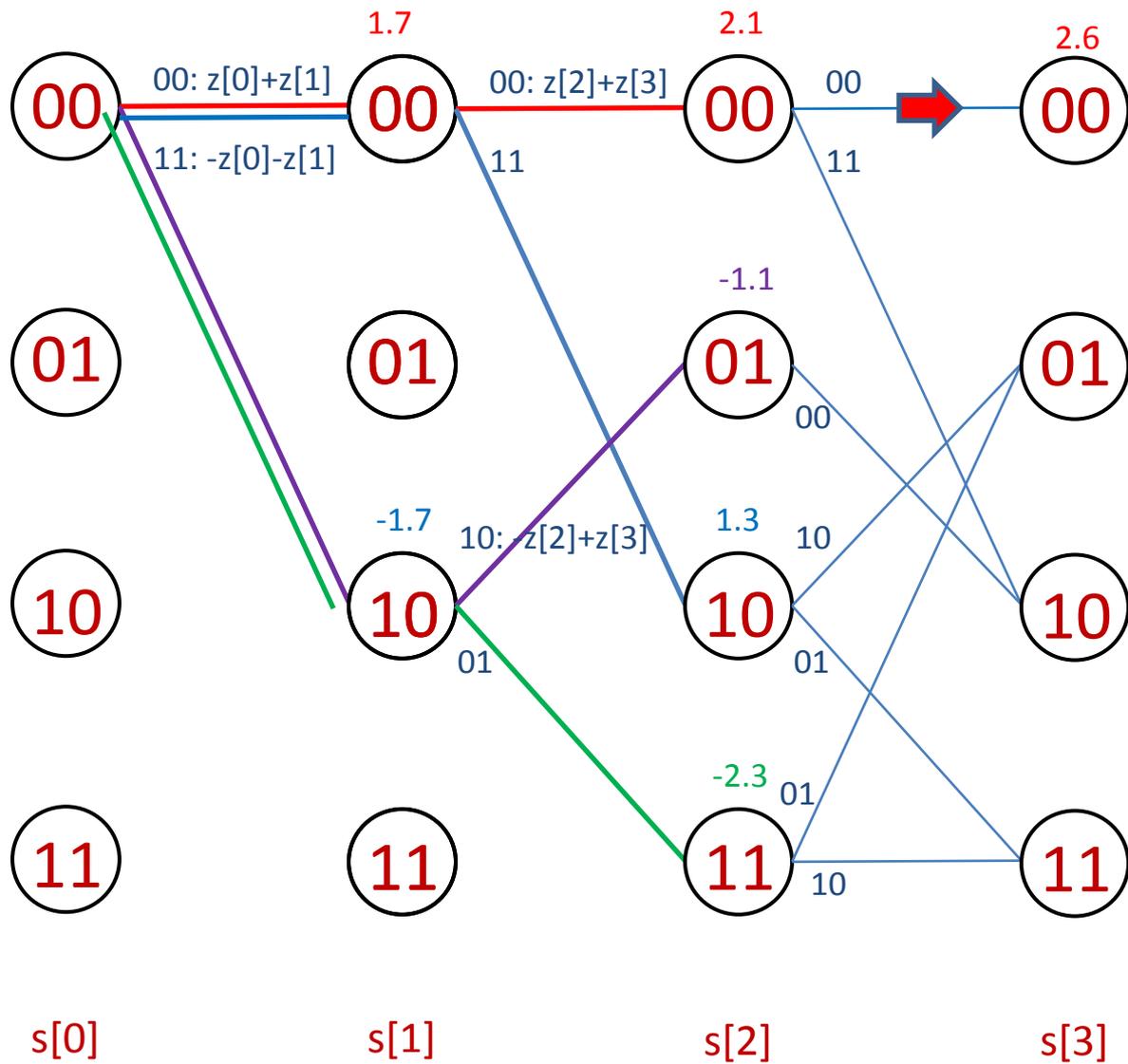
$z[4], z[5]=0.3, 0.2$



$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

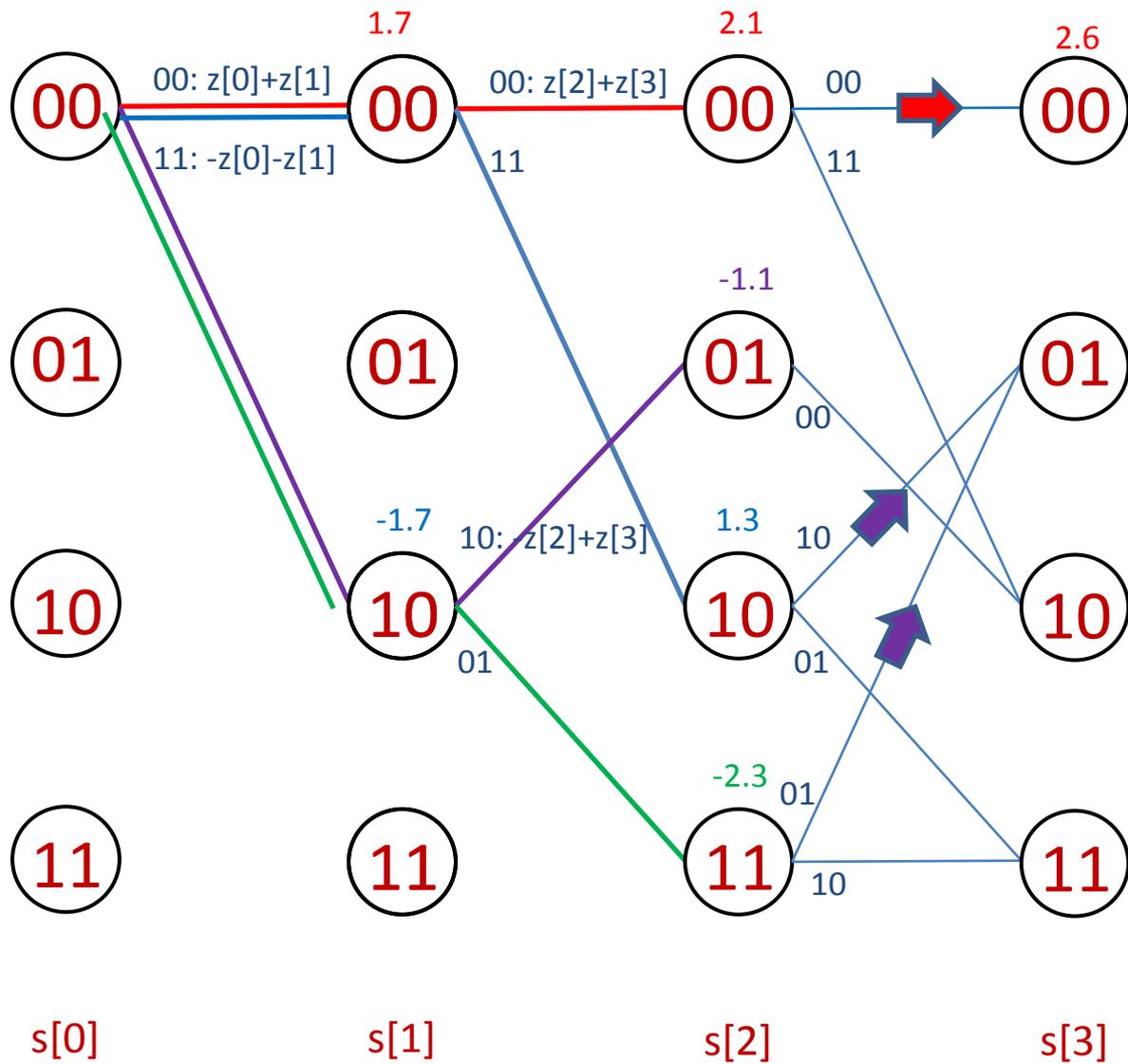
$z[4], z[5]=0.3, 0.2$



$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

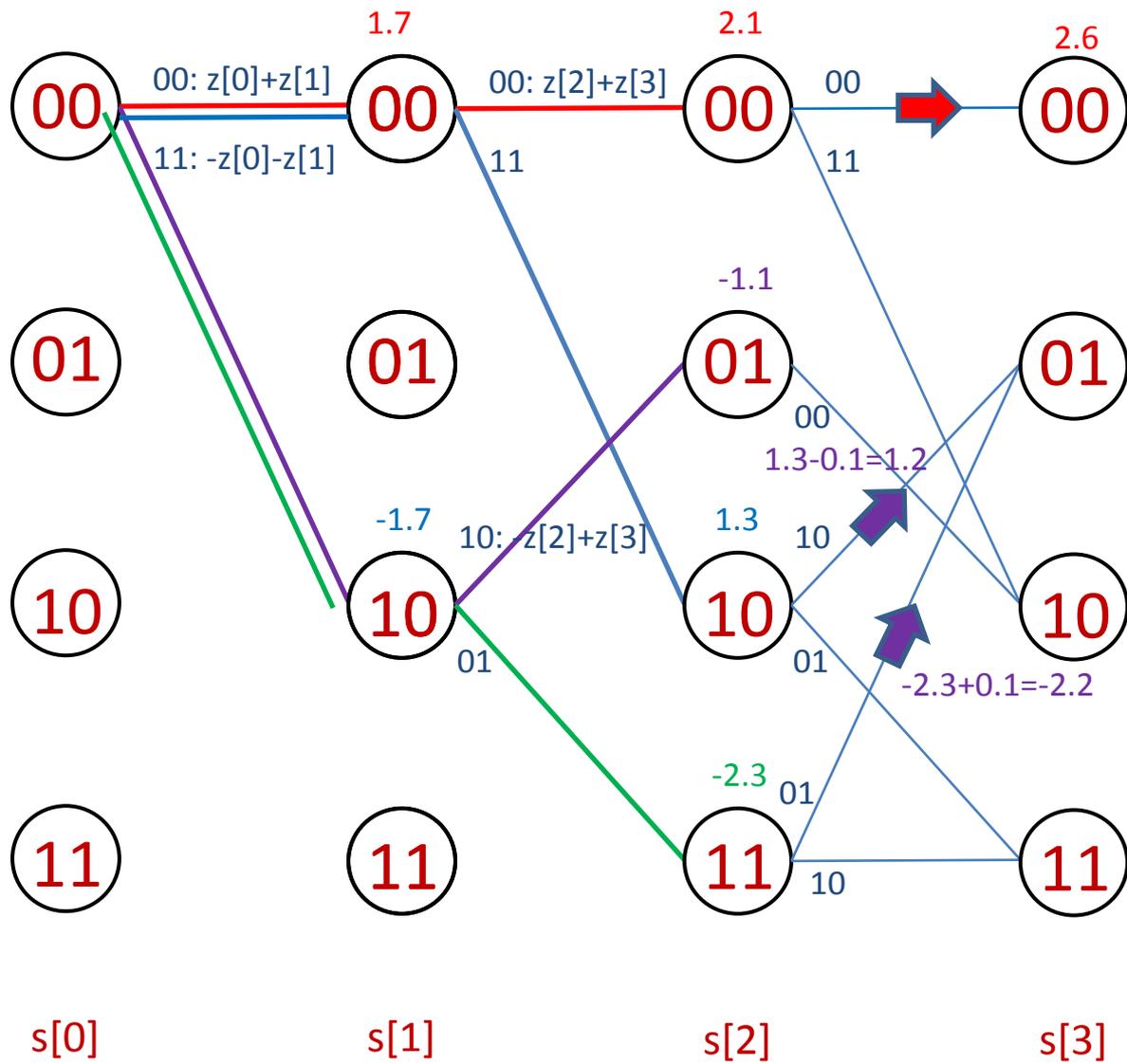
$z[4], z[5]=0.3, 0.2$



$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

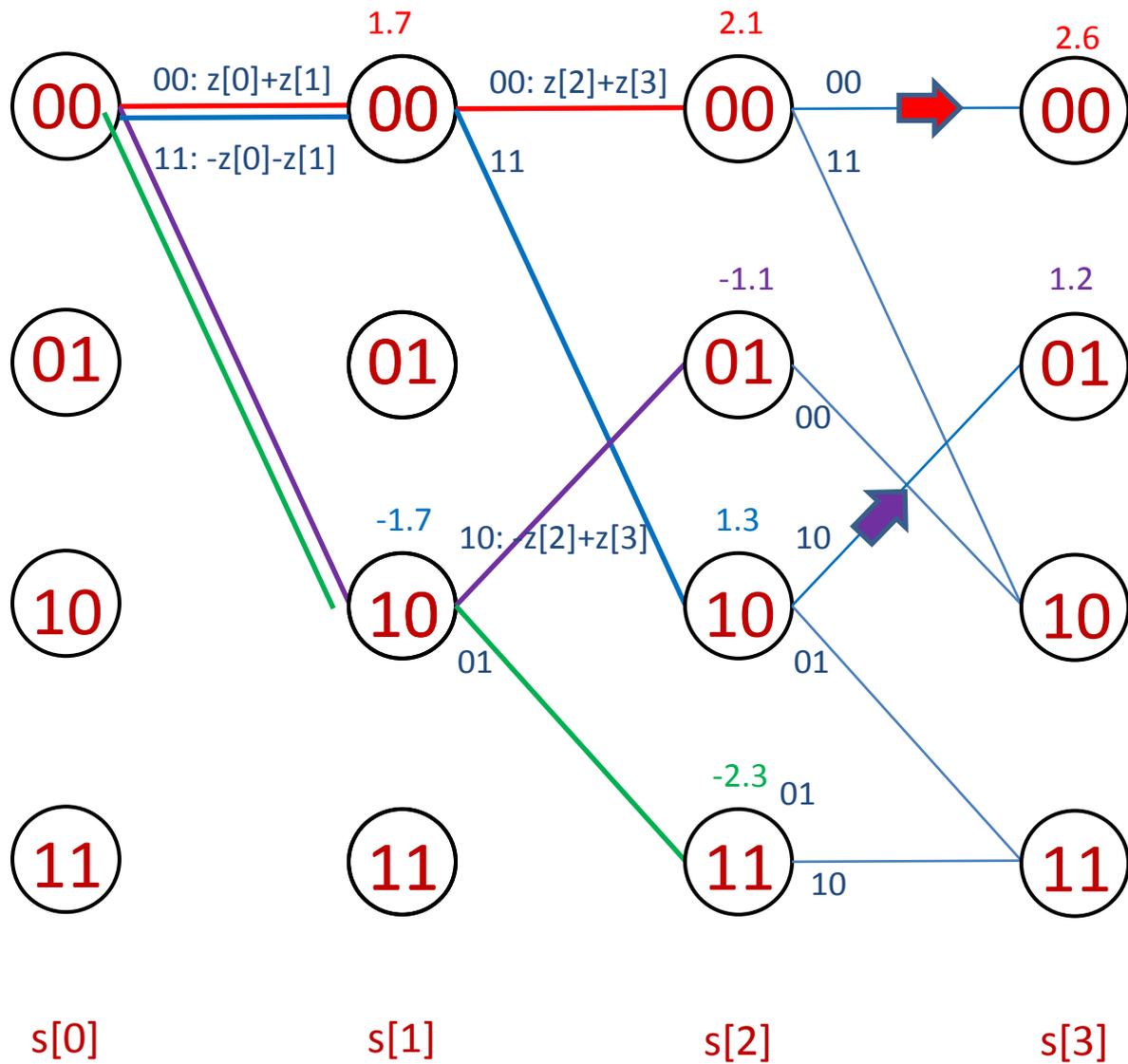
$z[4], z[5]=0.3, 0.2$



$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

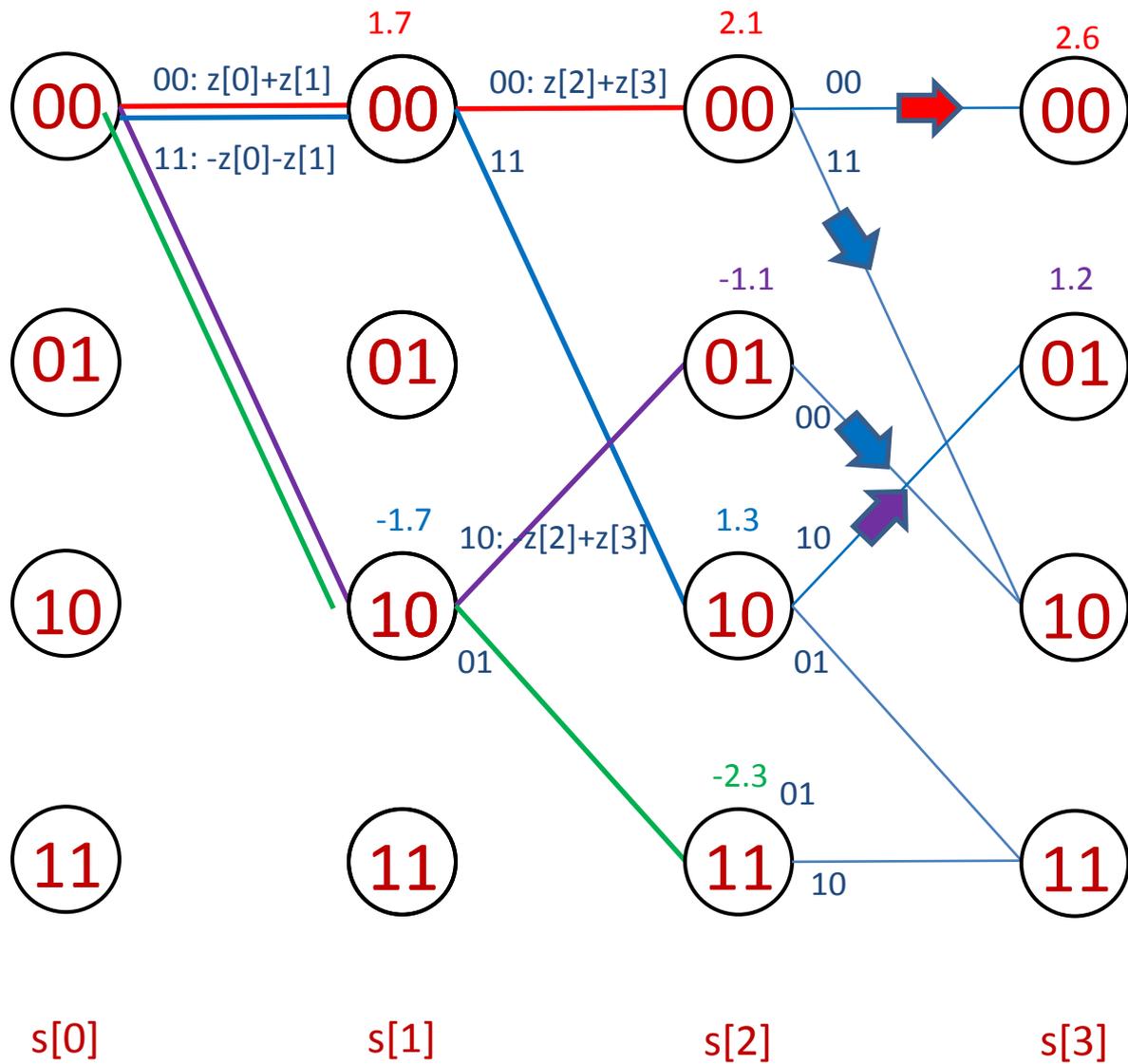
$z[4], z[5]=0.3, 0.2$



$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

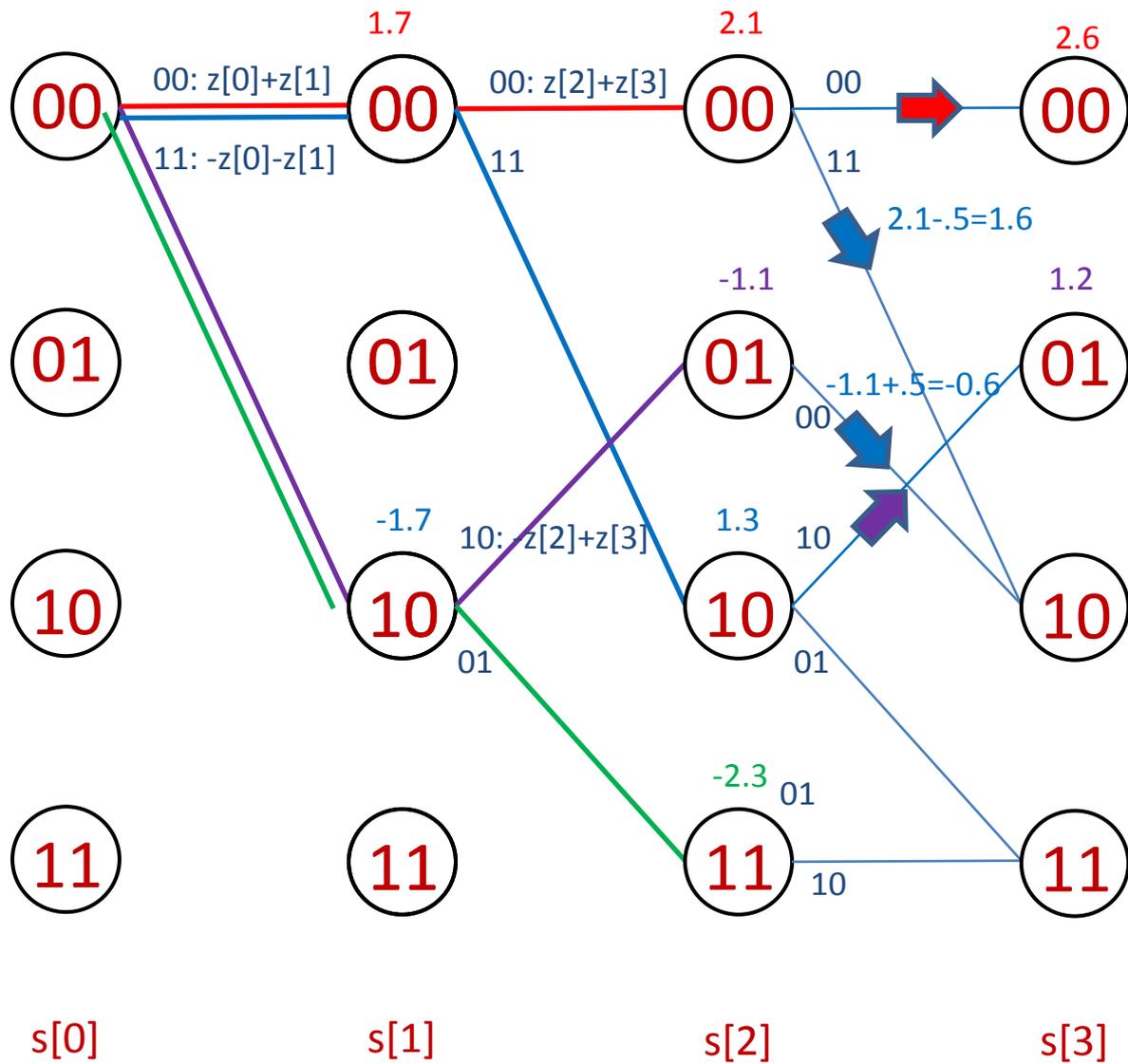
$z[4], z[5]=0.3, 0.2$



$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

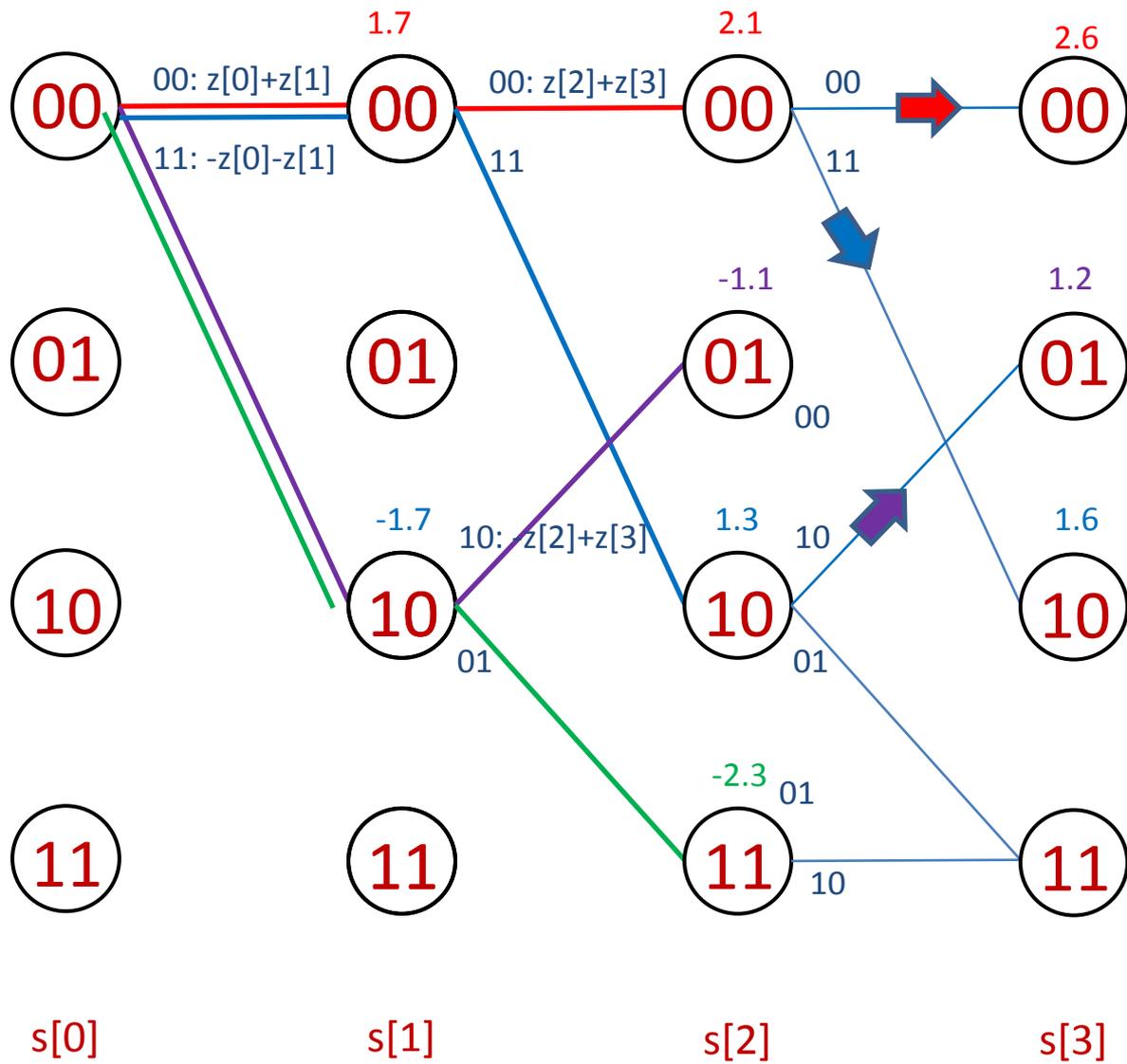
$z[4], z[5]=0.3, 0.2$



$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

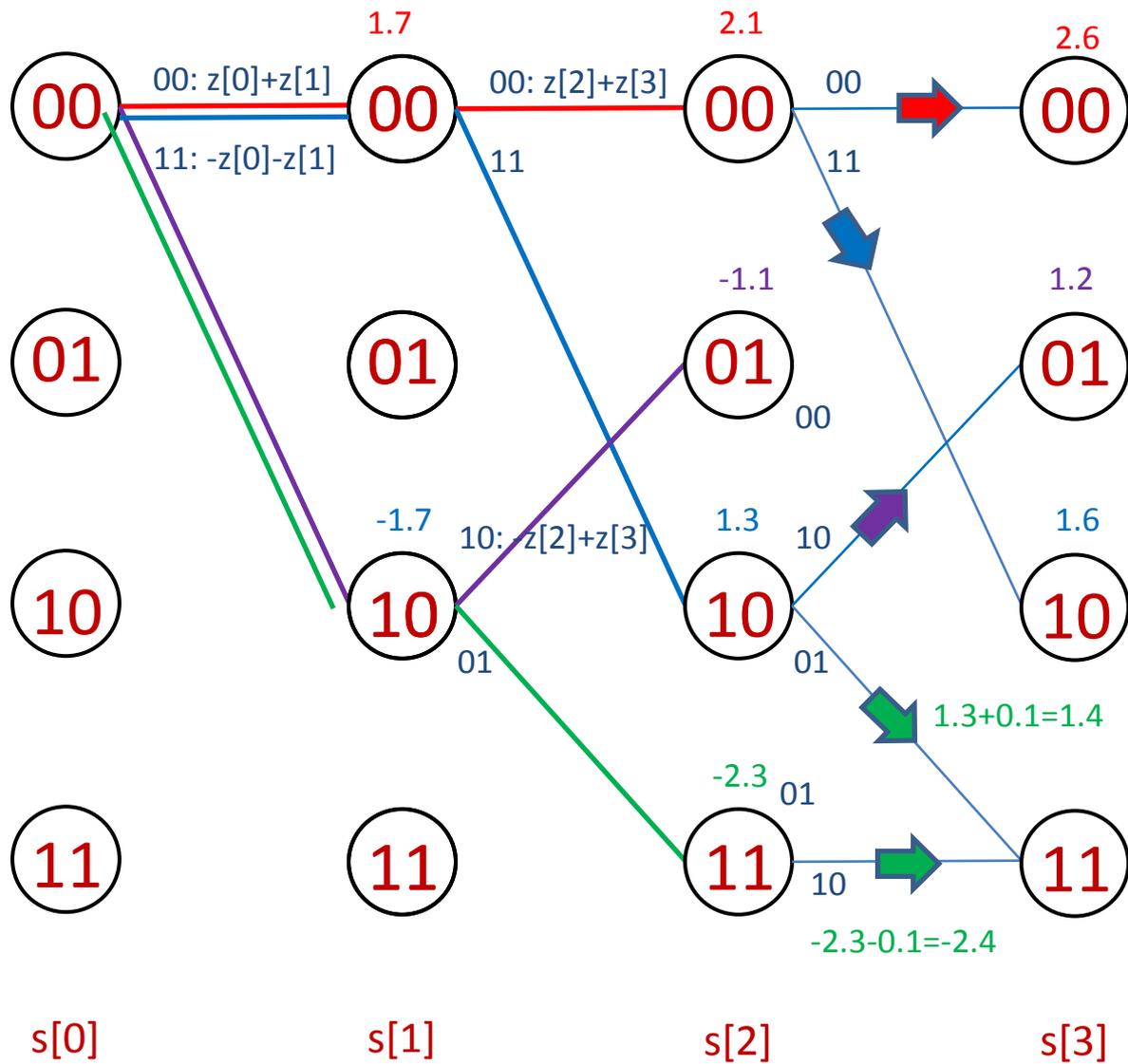
$z[4], z[5]=0.3, 0.2$



$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

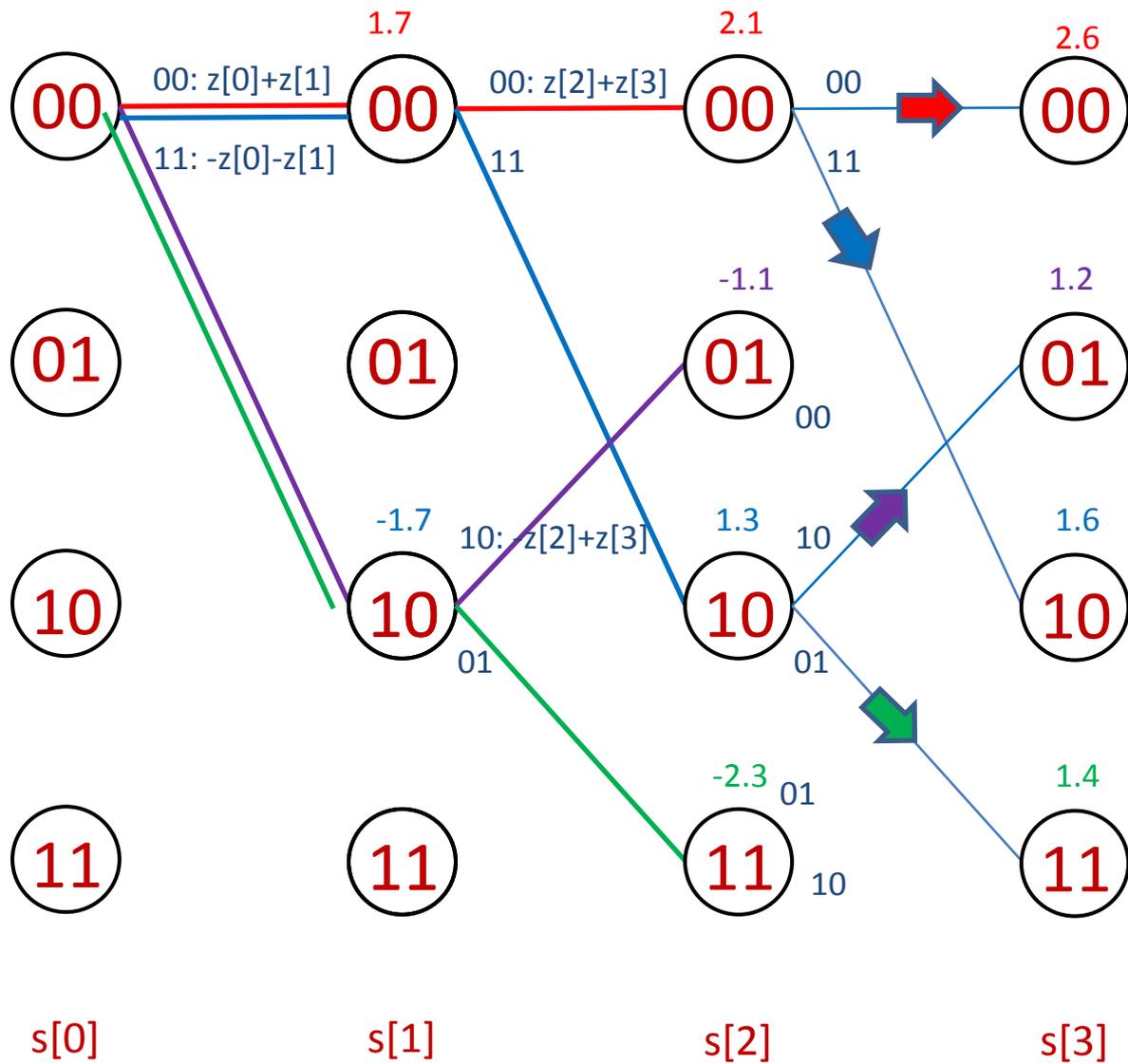
$z[4], z[5]=0.3, 0.2$



$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

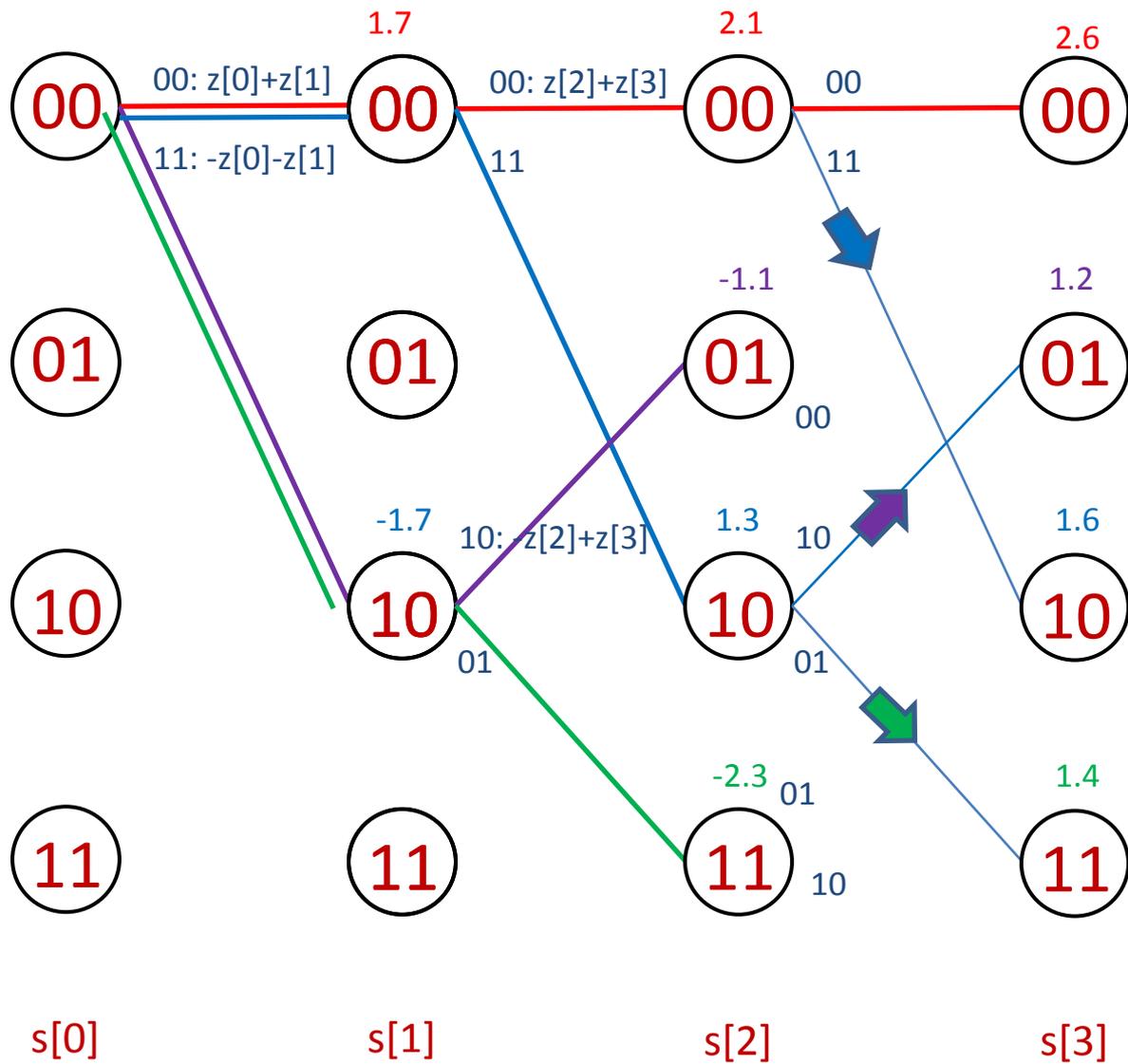
$z[4], z[5]=0.3, 0.2$



$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

$z[4], z[5]=0.3, 0.2$

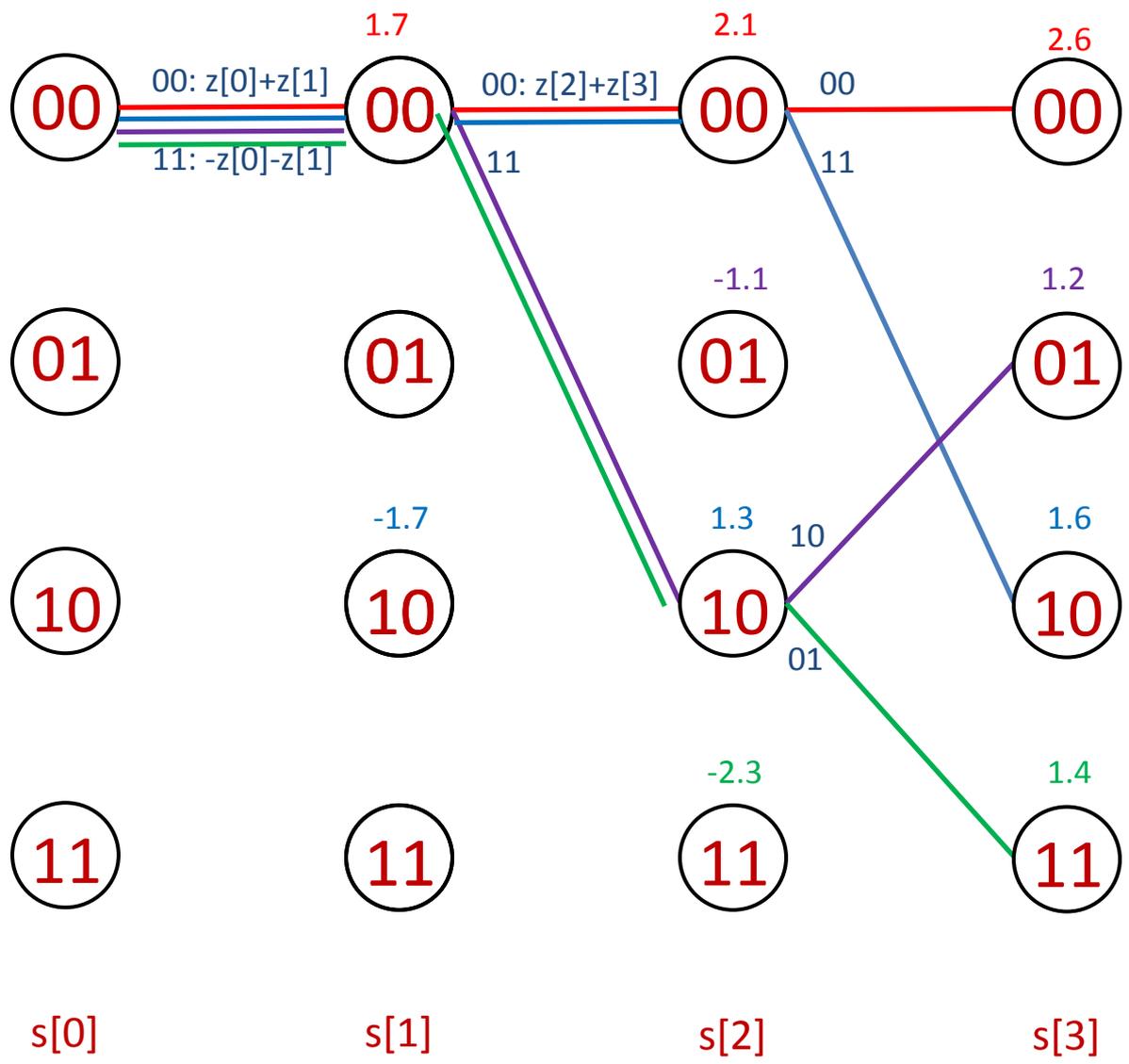




$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

$z[4], z[5]=0.3, 0.2$

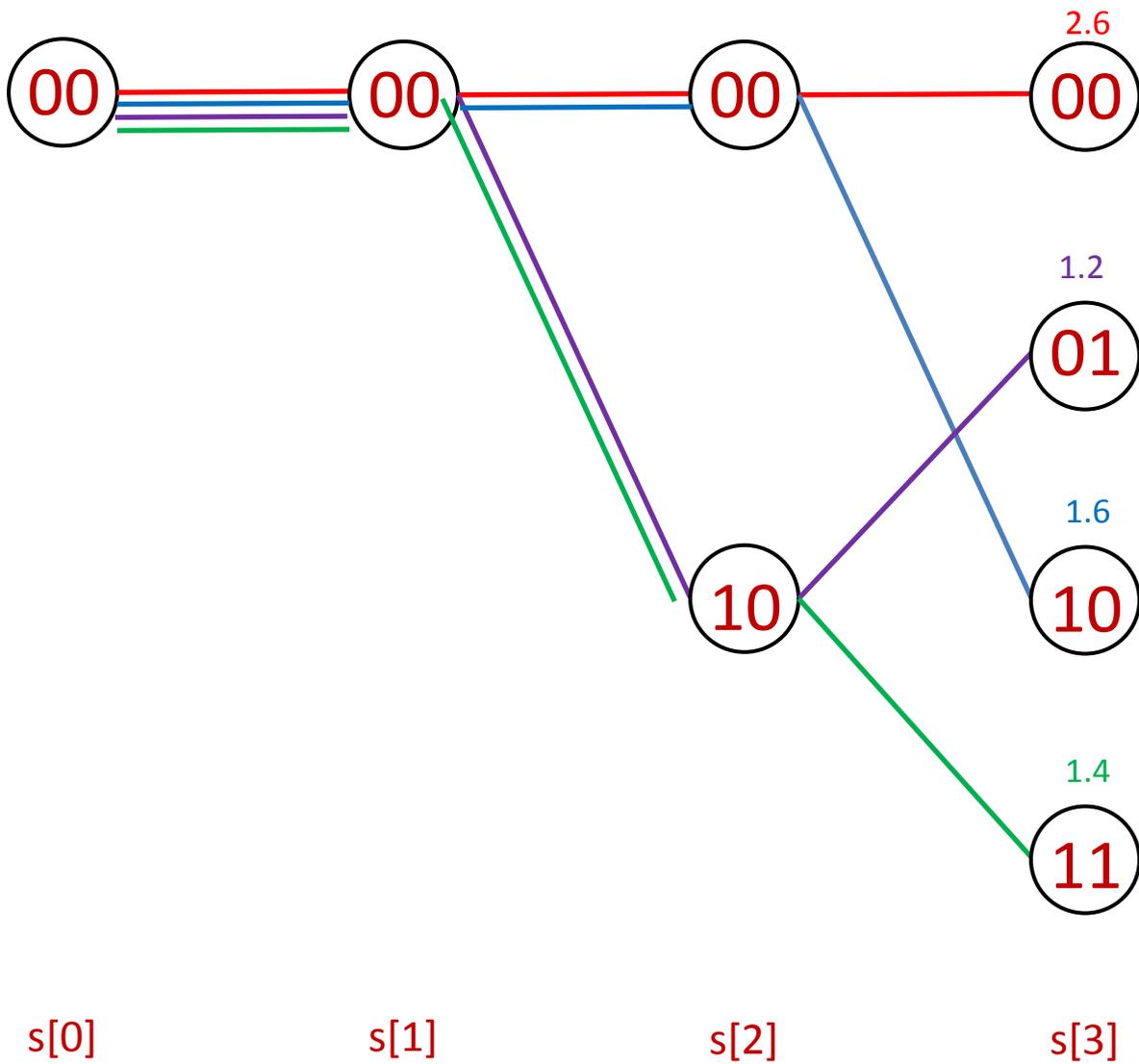




$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

$z[4], z[5]=0.3, 0.2$



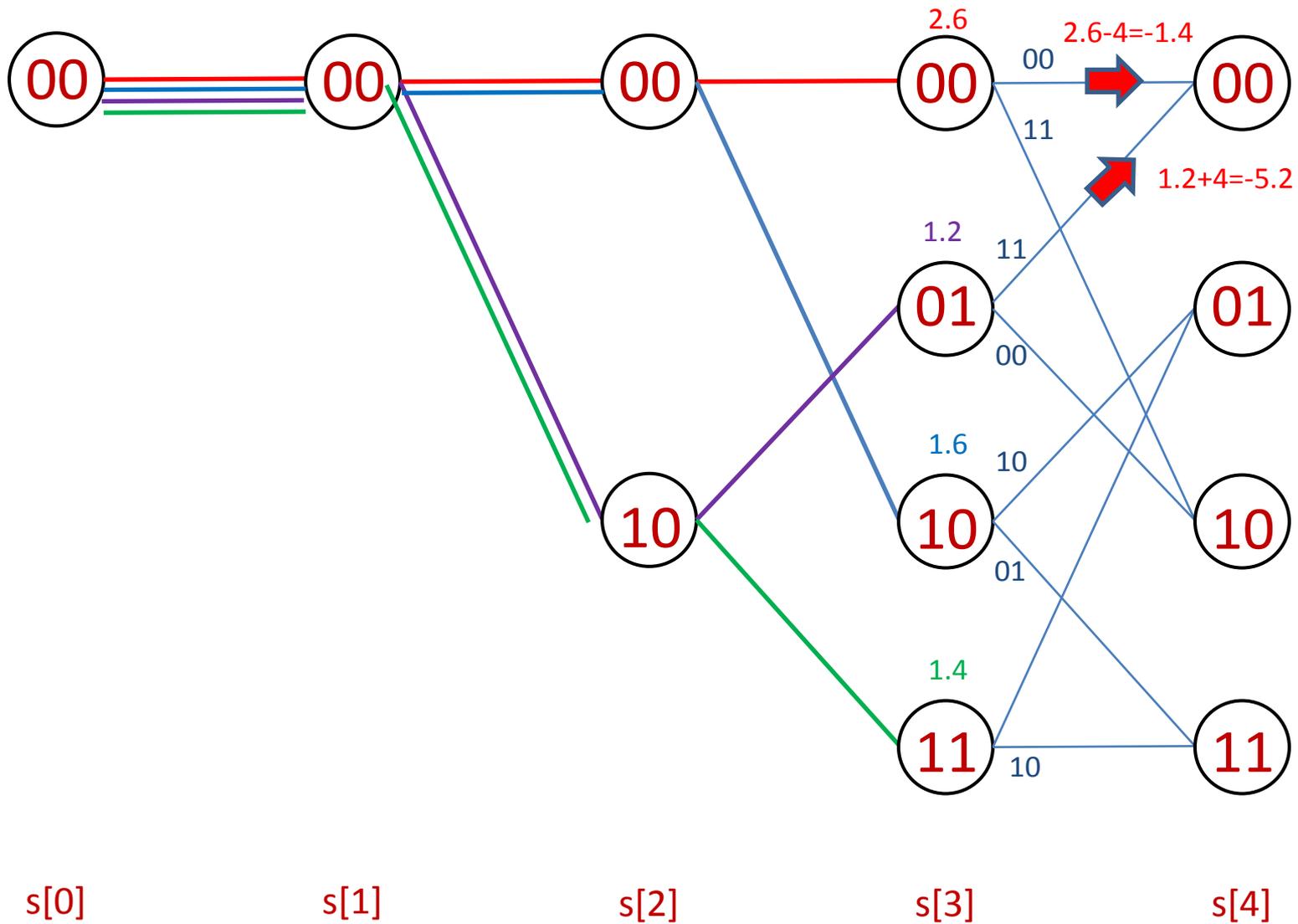


$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

$z[4], z[5]=0.3, 0.2$

$z[6], z[7]=-2, -2$



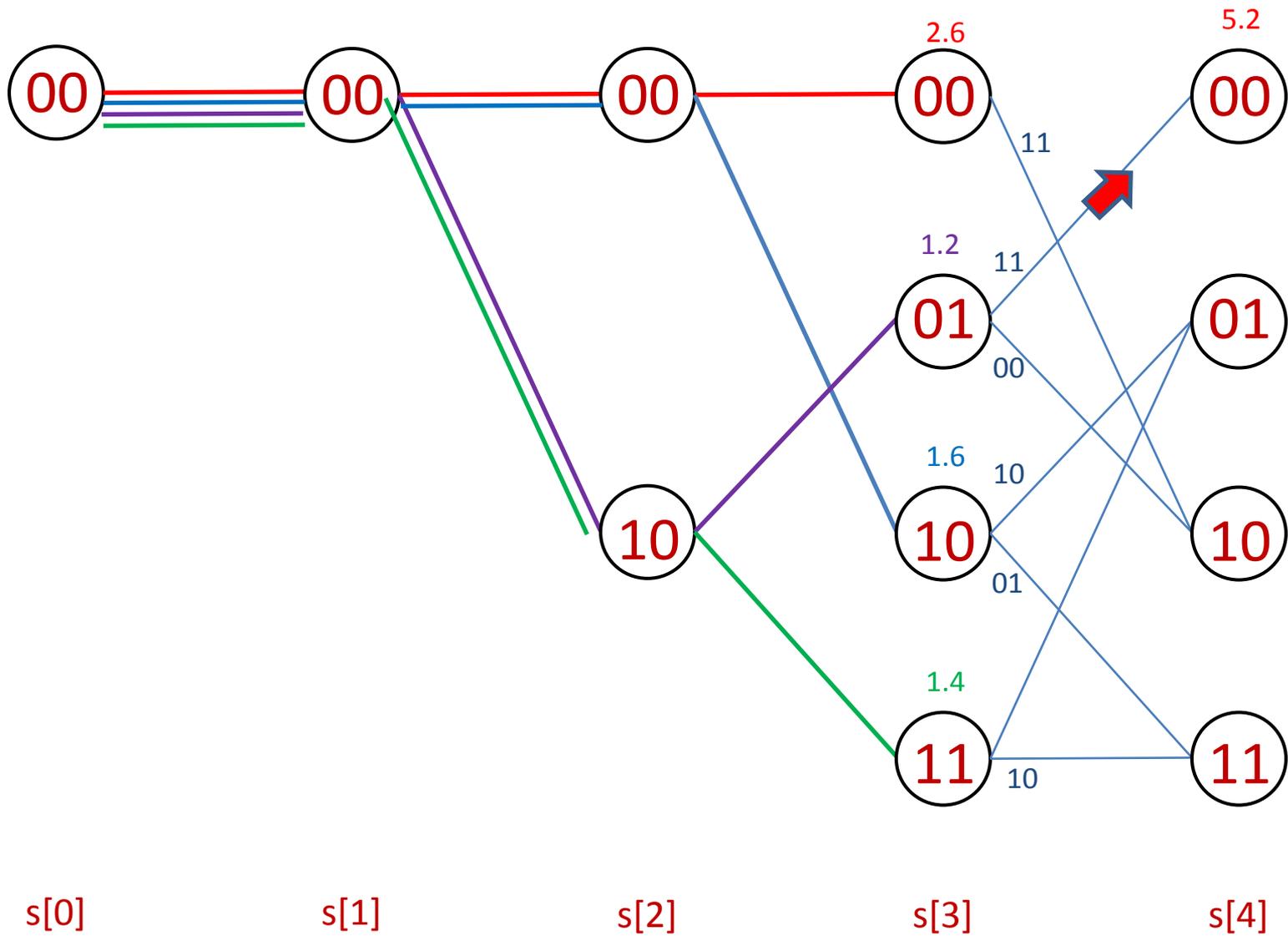


$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

$z[4], z[5]=0.3, 0.2$

$z[6], z[7]=-2, -2$



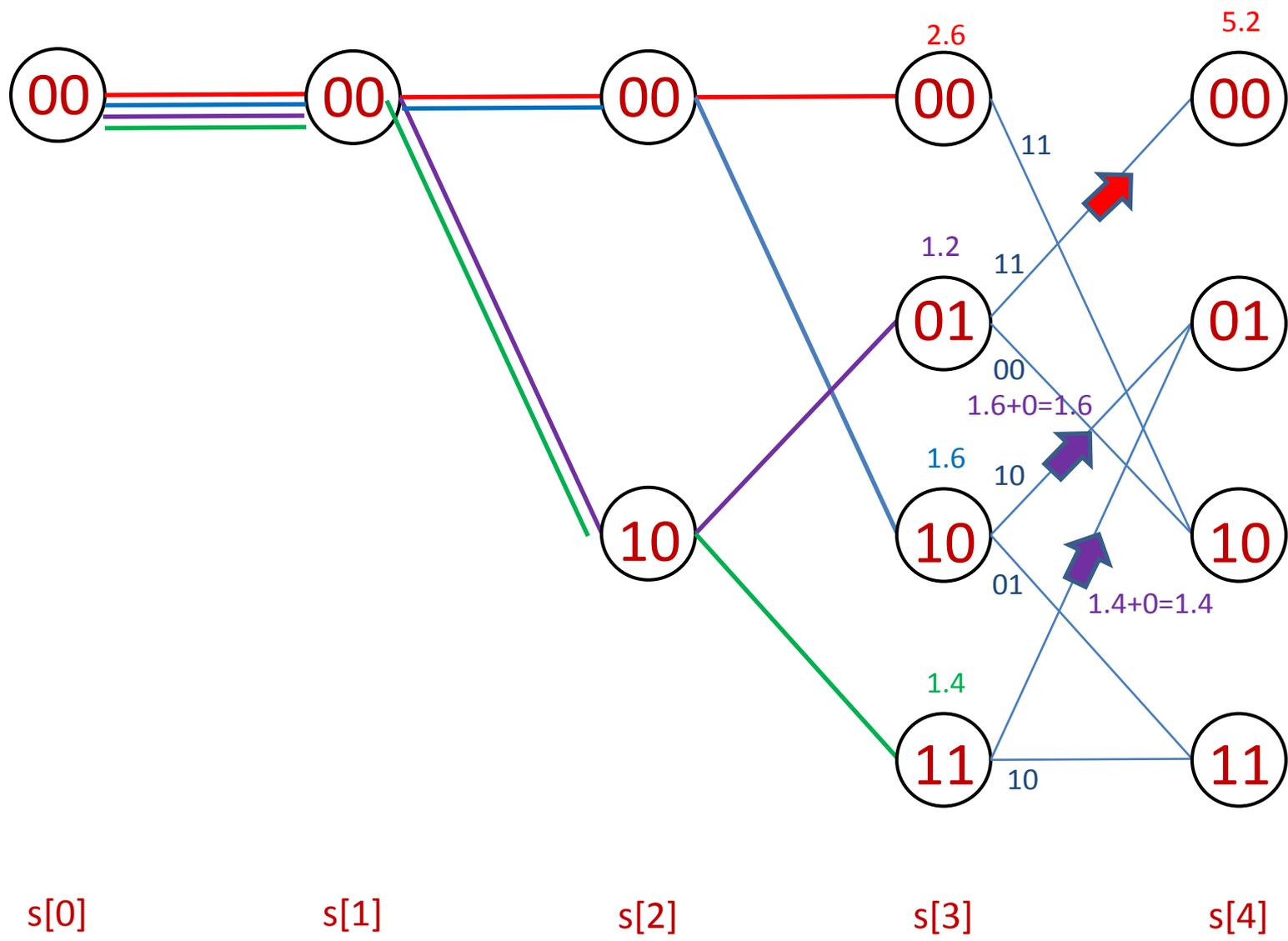


$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

$z[4], z[5]=0.3, 0.2$

$z[6], z[7]=-2, -2$



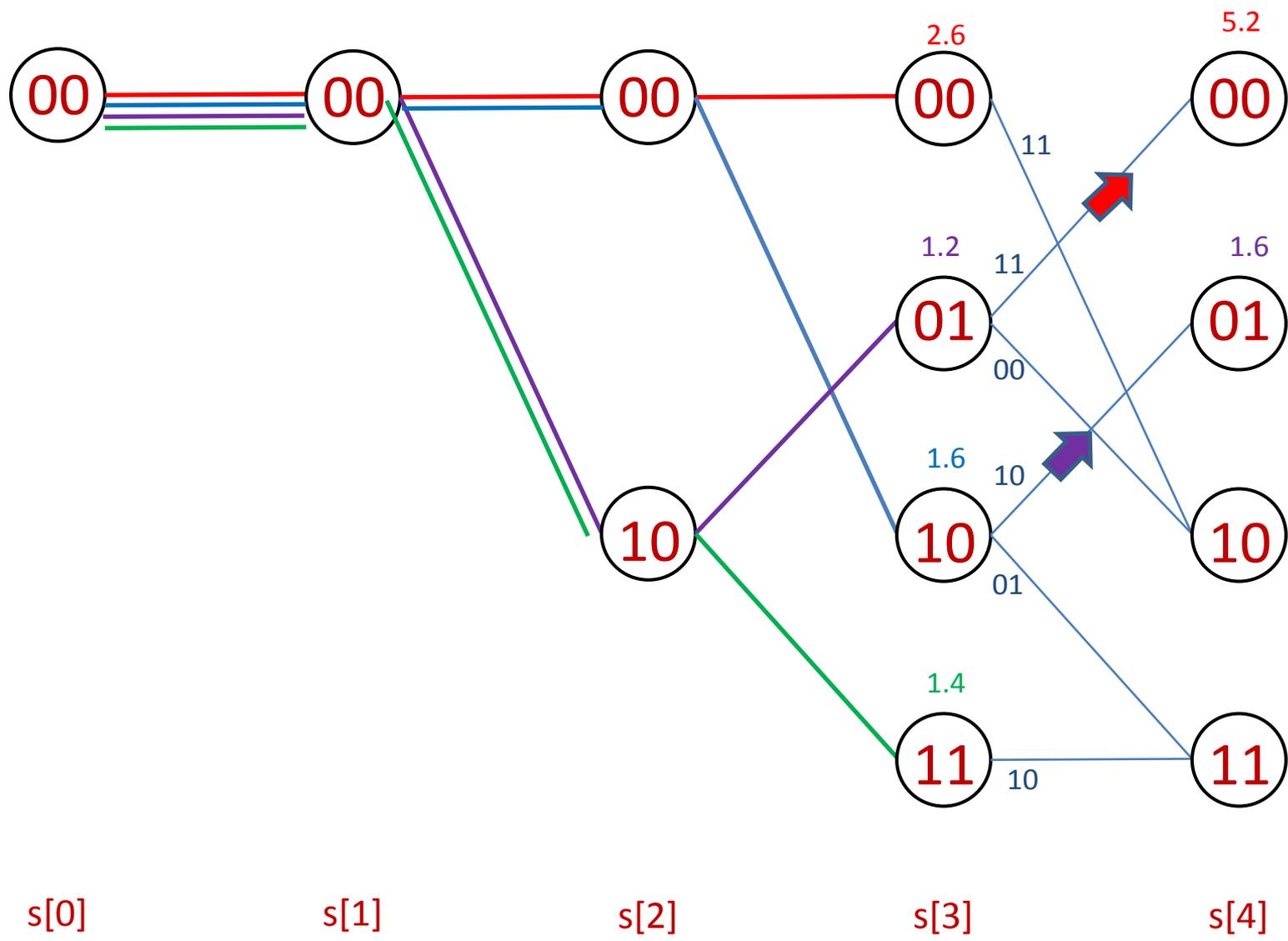


$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

$z[4], z[5]=0.3, 0.2$

$z[6], z[7]=-2, -2$



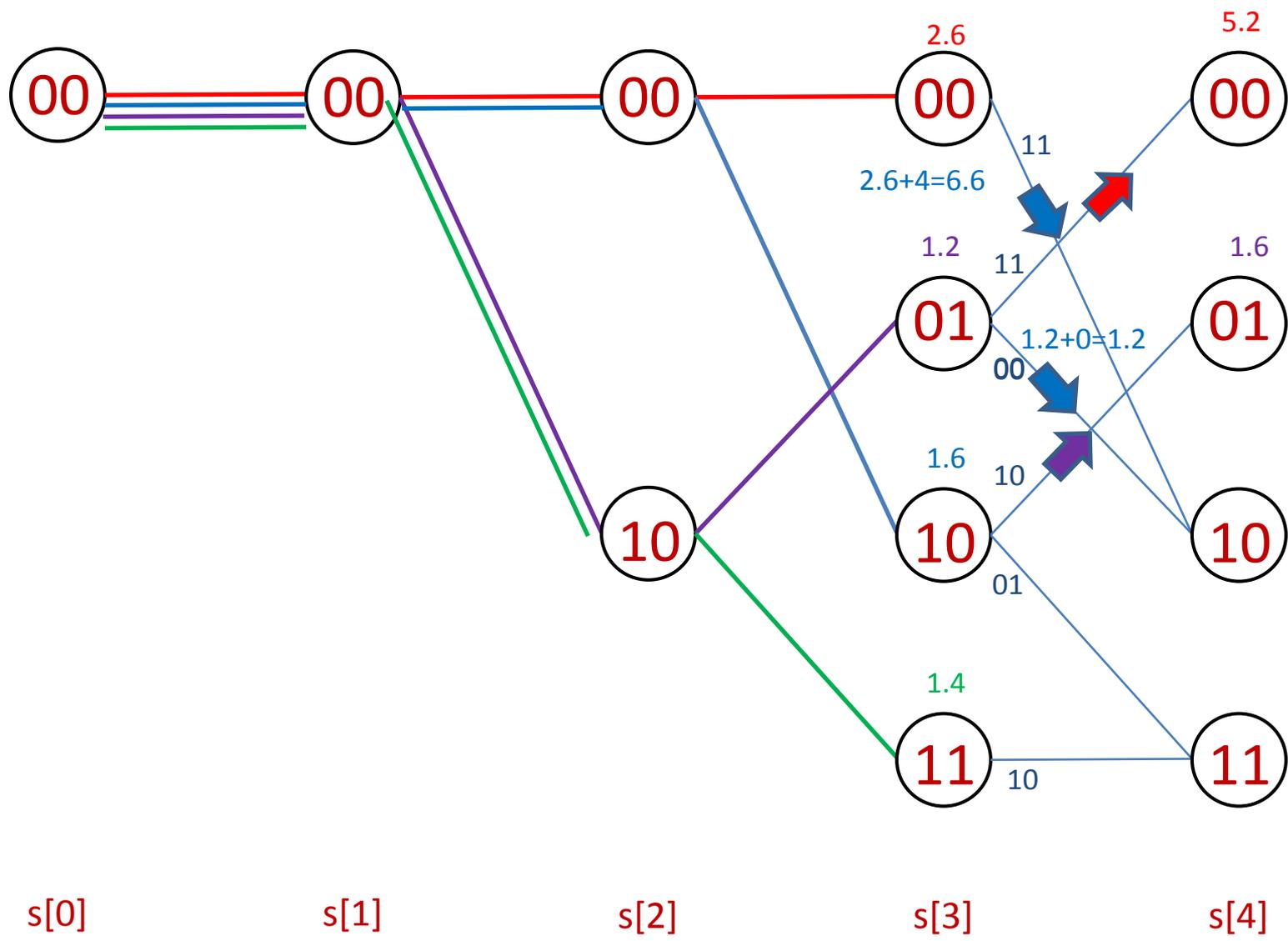


$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

$z[4], z[5]=0.3, 0.2$

$z[6], z[7]=-2, -2$



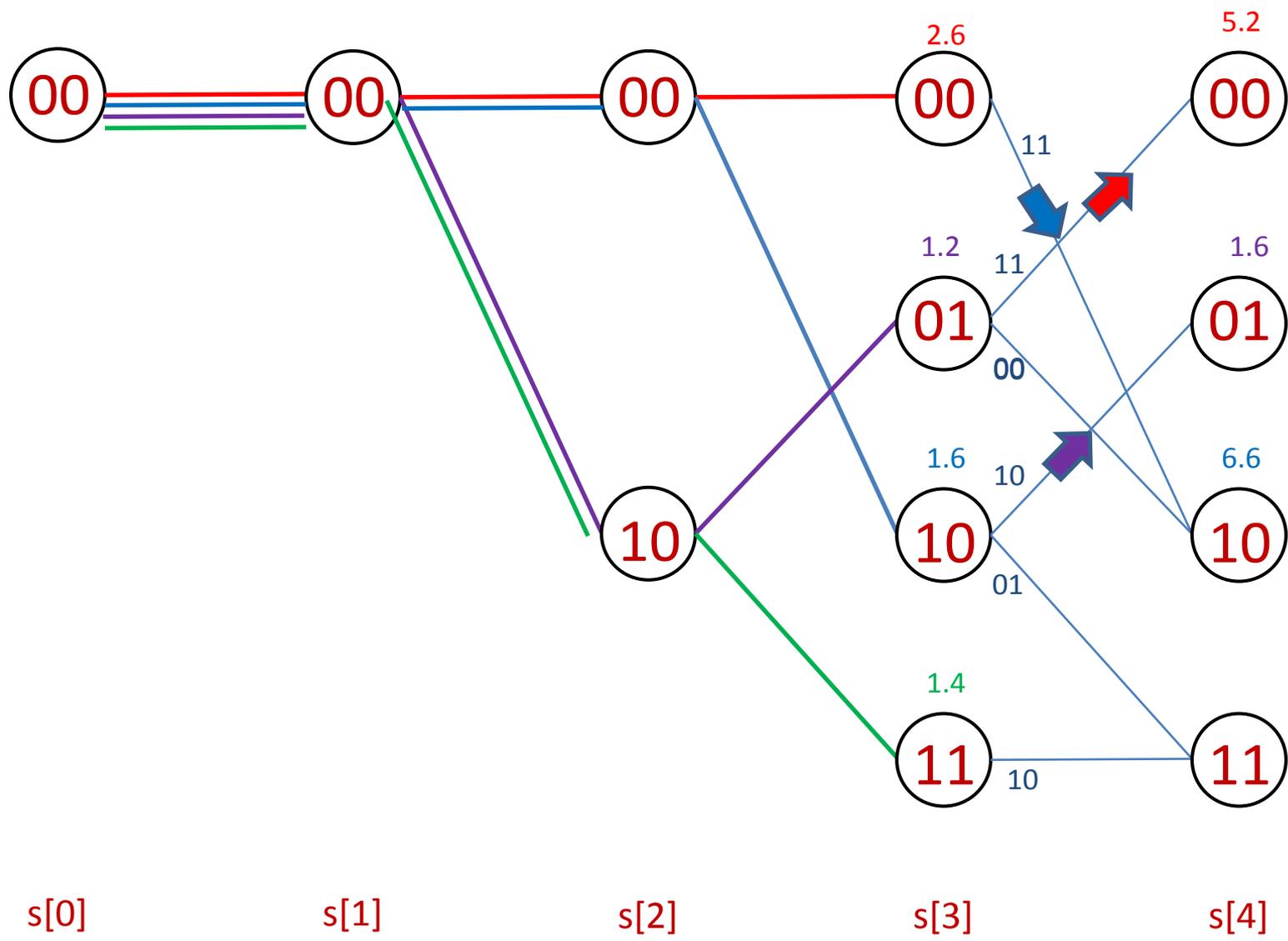


$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

$z[4], z[5]=0.3, 0.2$

$z[6], z[7]=-2, -2$



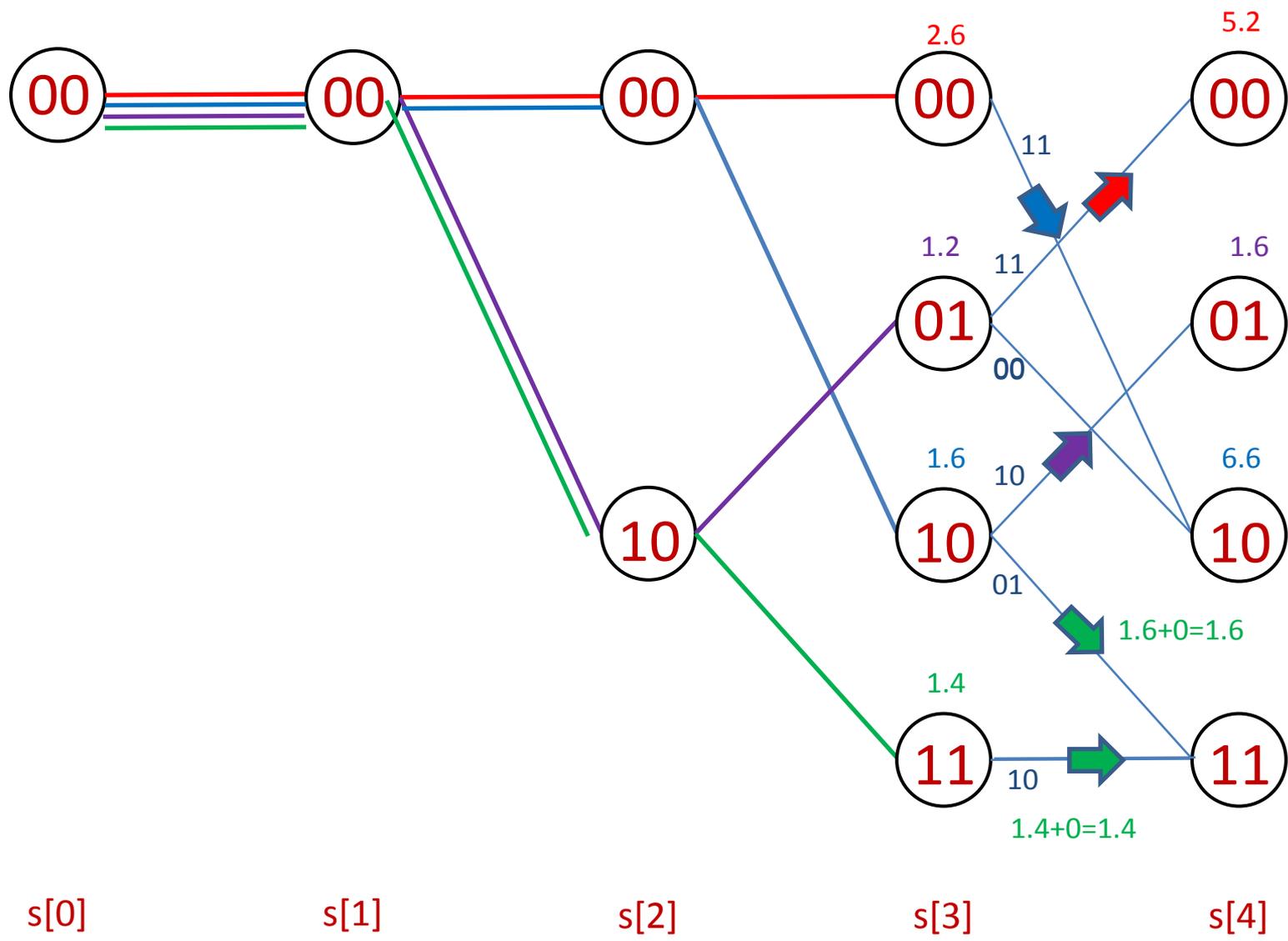


$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

$z[4], z[5]=0.3, 0.2$

$z[6], z[7]=-2, -2$



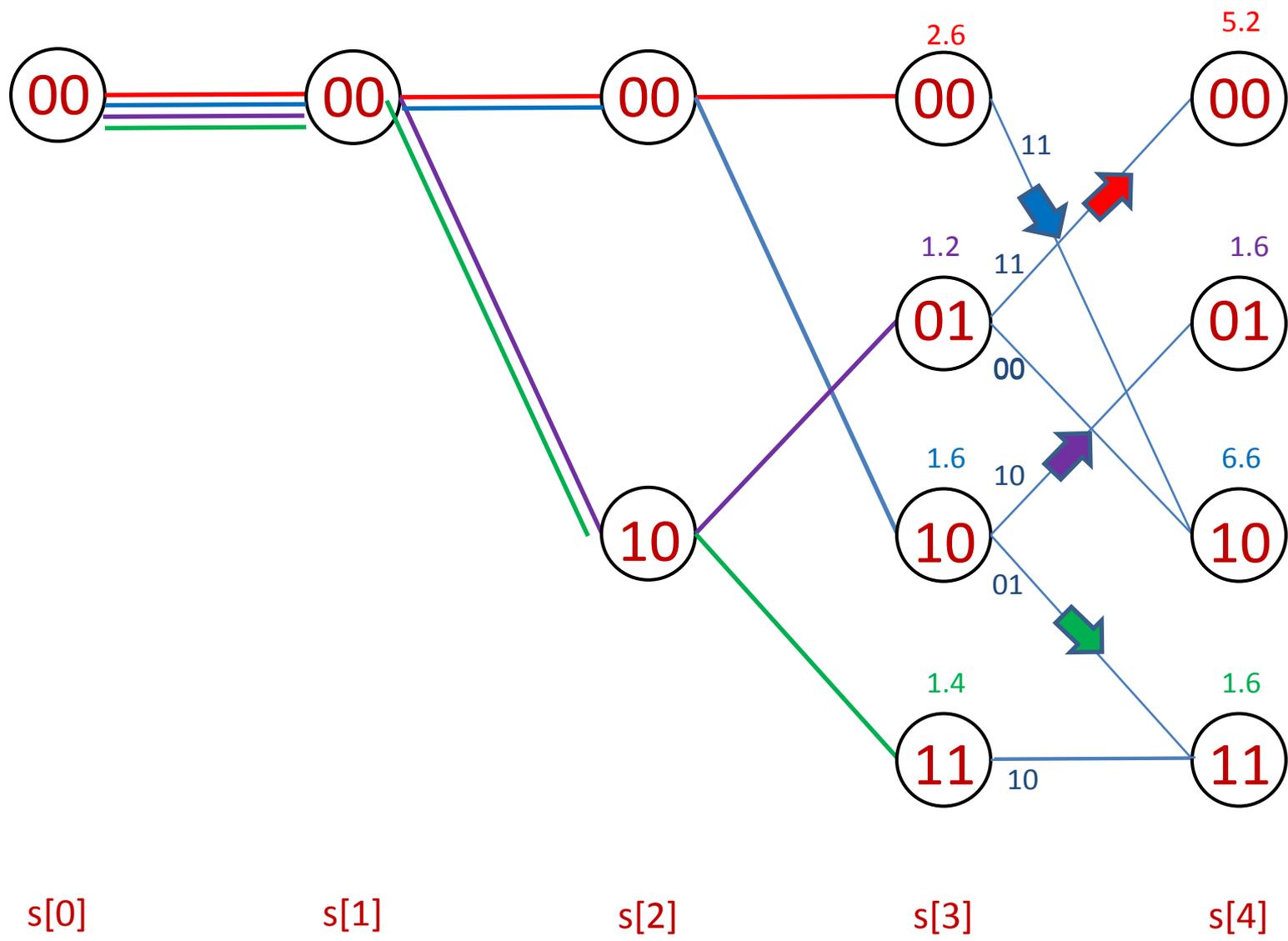


$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

$z[4], z[5]=0.3, 0.2$

$z[6], z[7]=-2, -2$



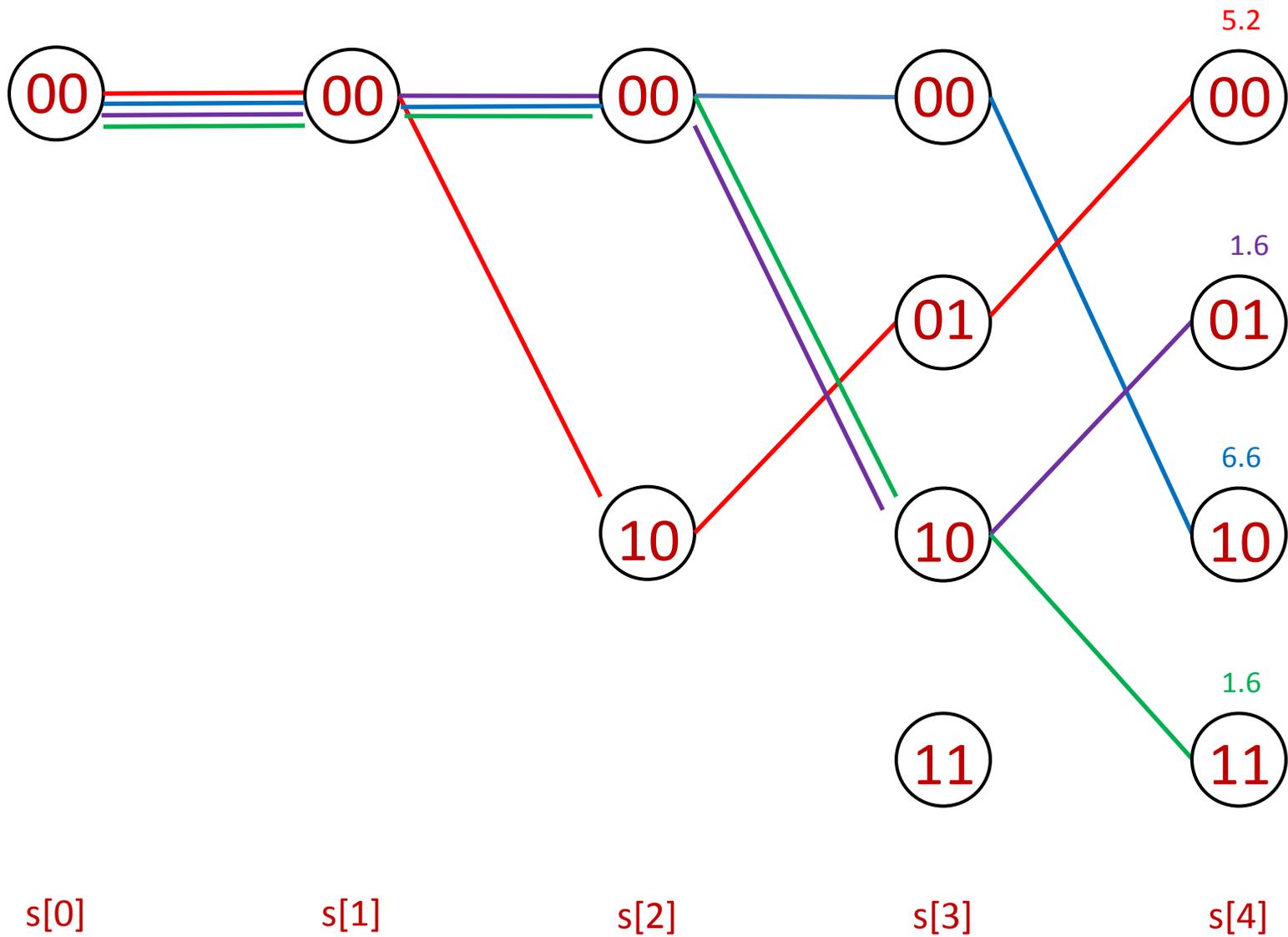


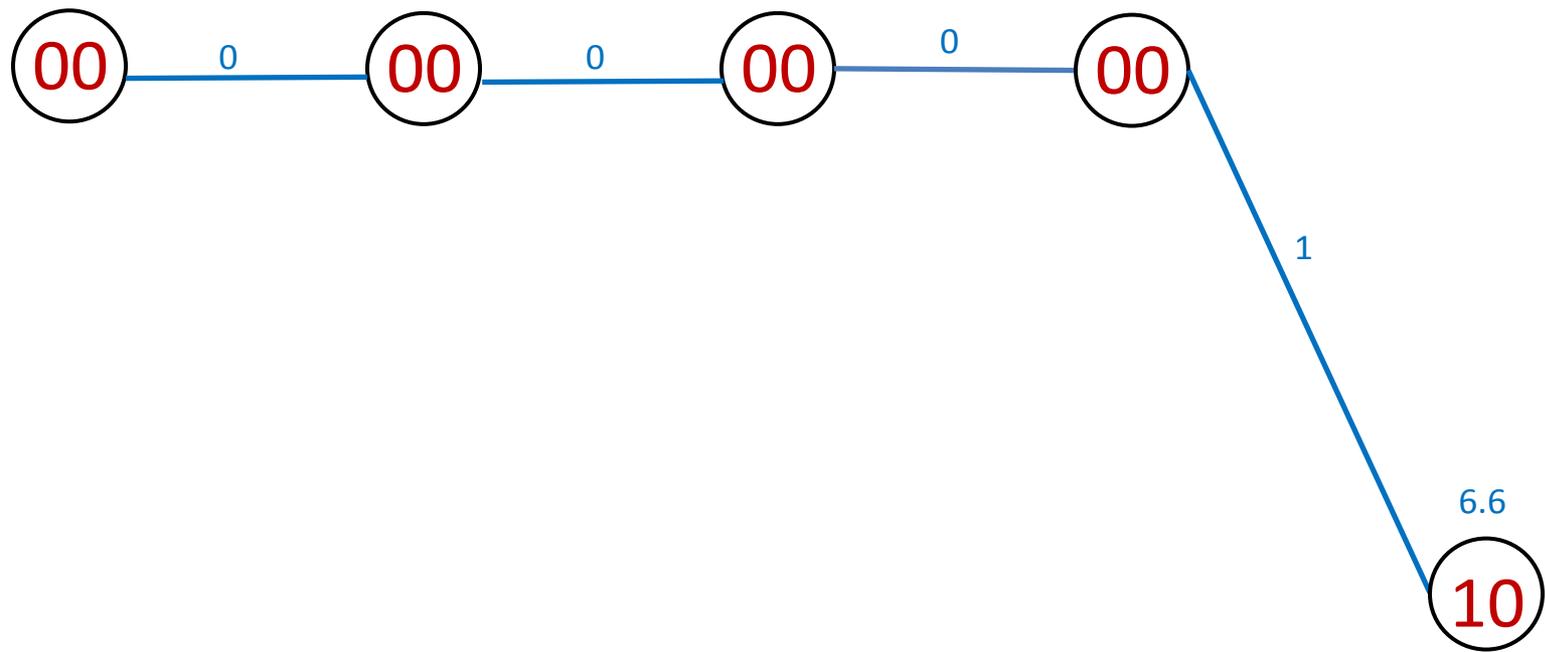
$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

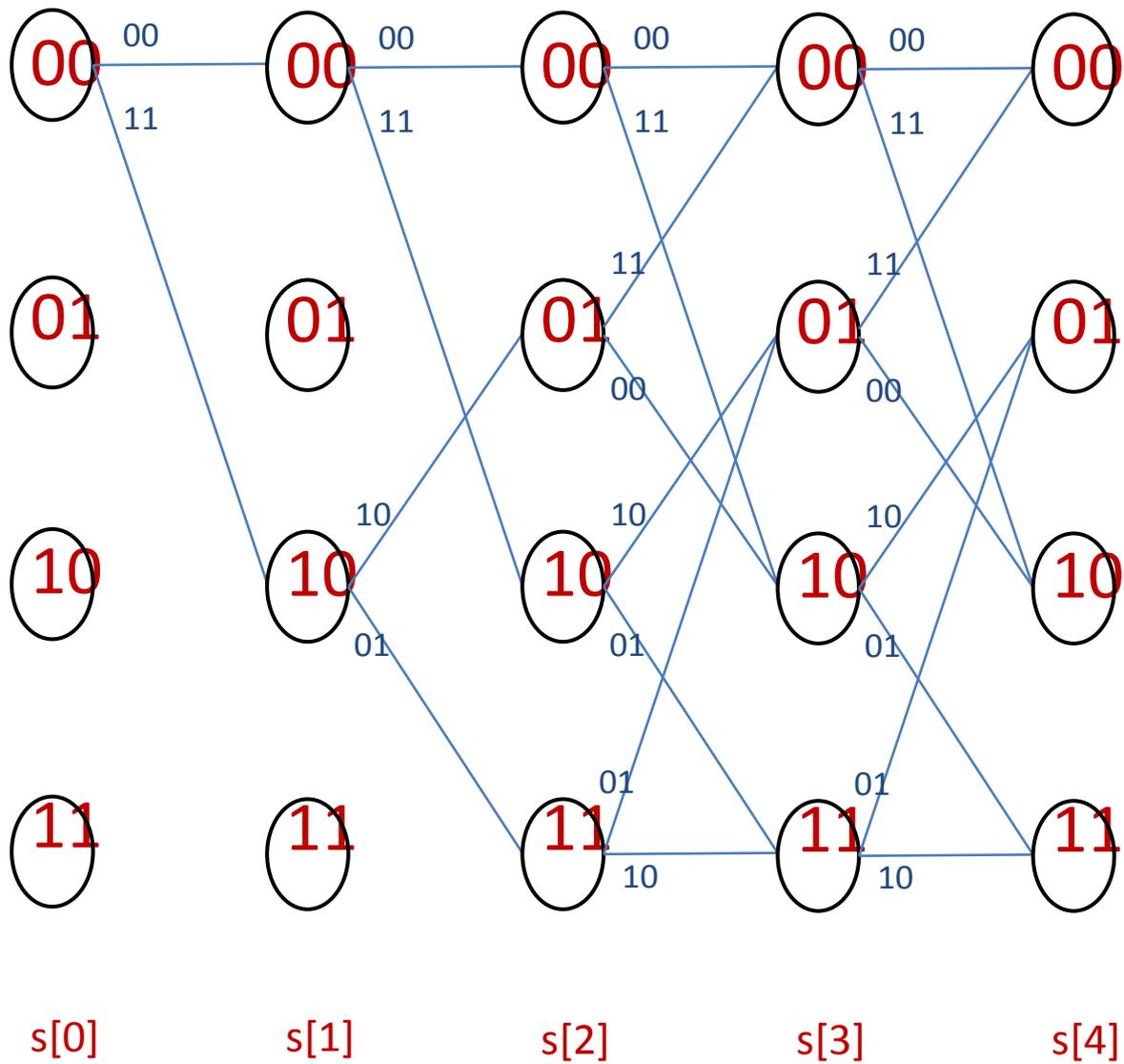
$z[4], z[5]=0.3, 0.2$

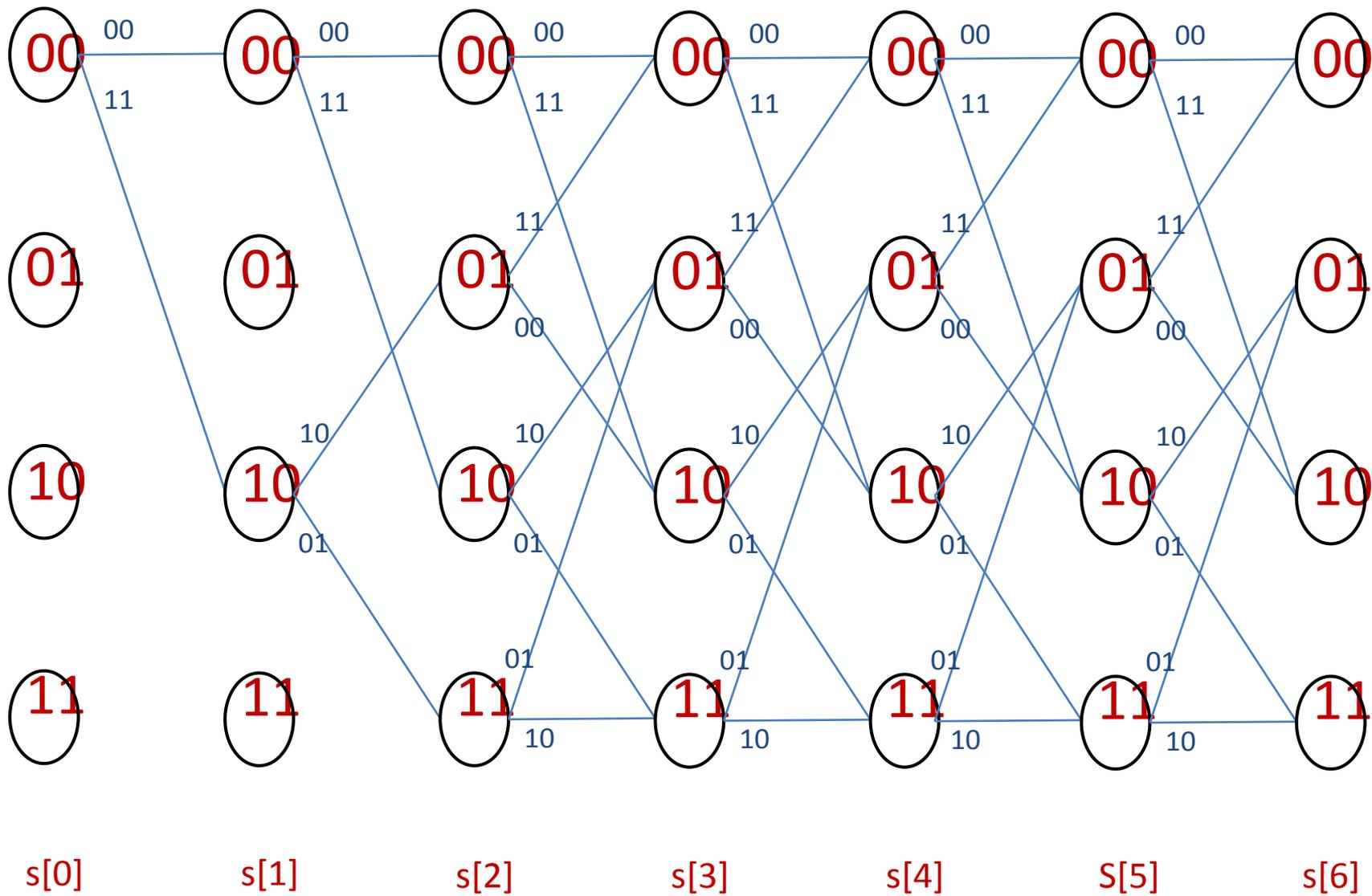
$z[6], z[7]=-2, -2$



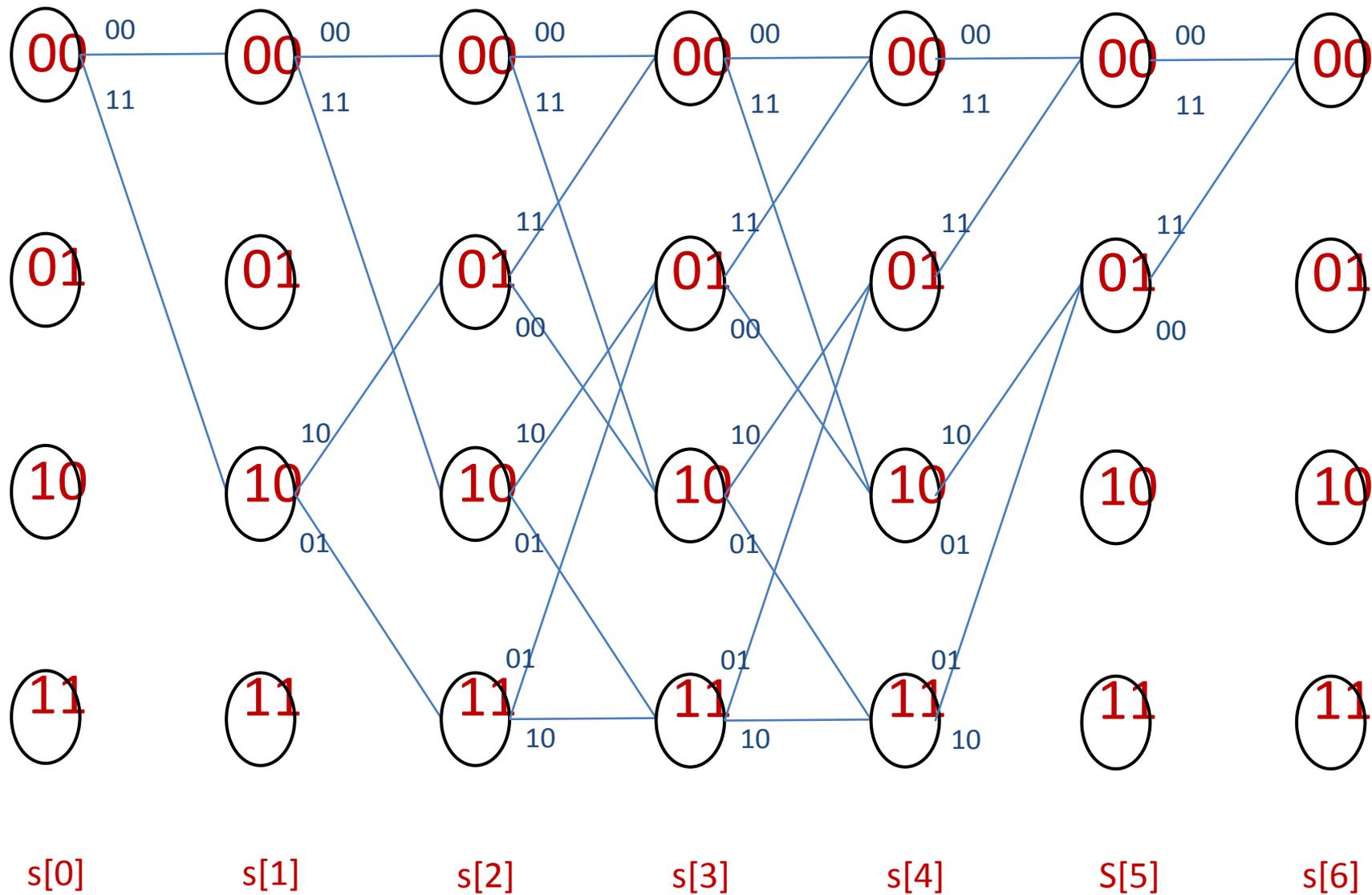


Viterbi estimate of info bits: 0001





Extend by two states



With termination at 00

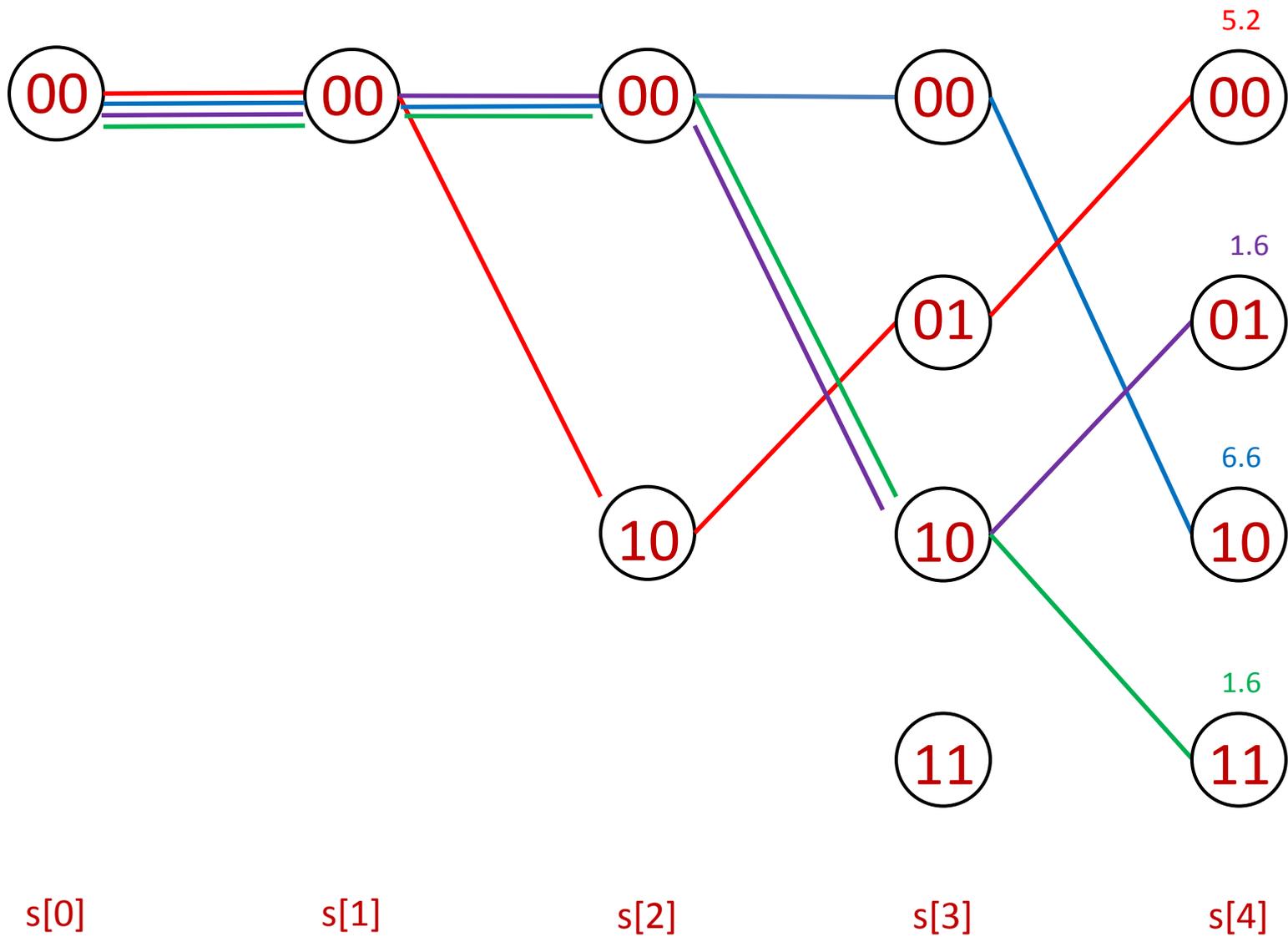


$z[0], z[1]=0.9, 0.8$

$z[2], z[3]=-0.1, 0.5$

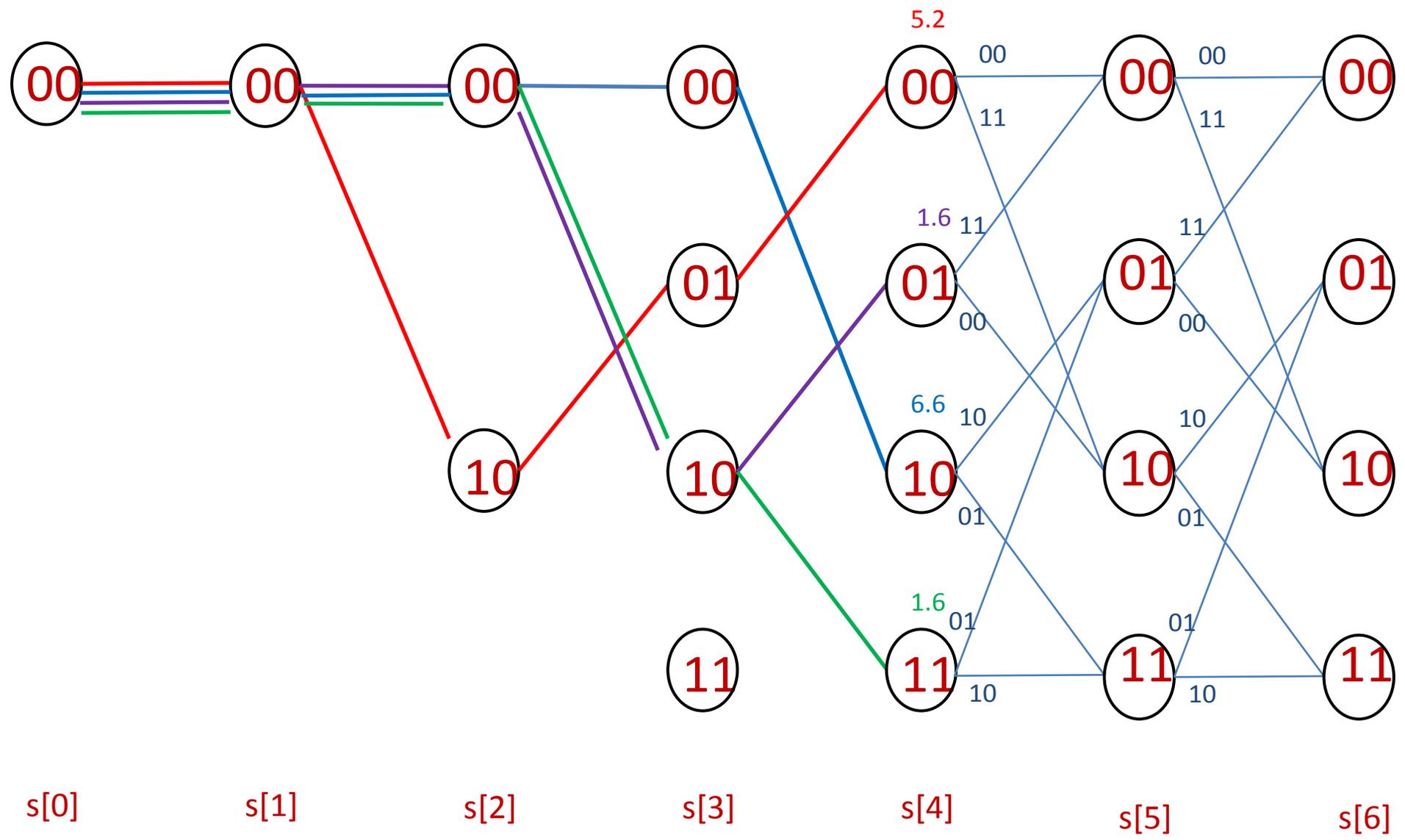
$z[4], z[5]=0.3, 0.2$

$z[6], z[7]=-2, -2$





$z[0], z[1]=0.9, 0.8$      $z[2], z[3]=-0.1, 0.5$      $z[4], z[5]=0.3, 0.2$      $z[6], z[7]=-2, -2$      $z[8], z[9]=-2, 2$      $z[10], z[11]=-1, -1$





$z[0], z[1]=0.9, 0.8$

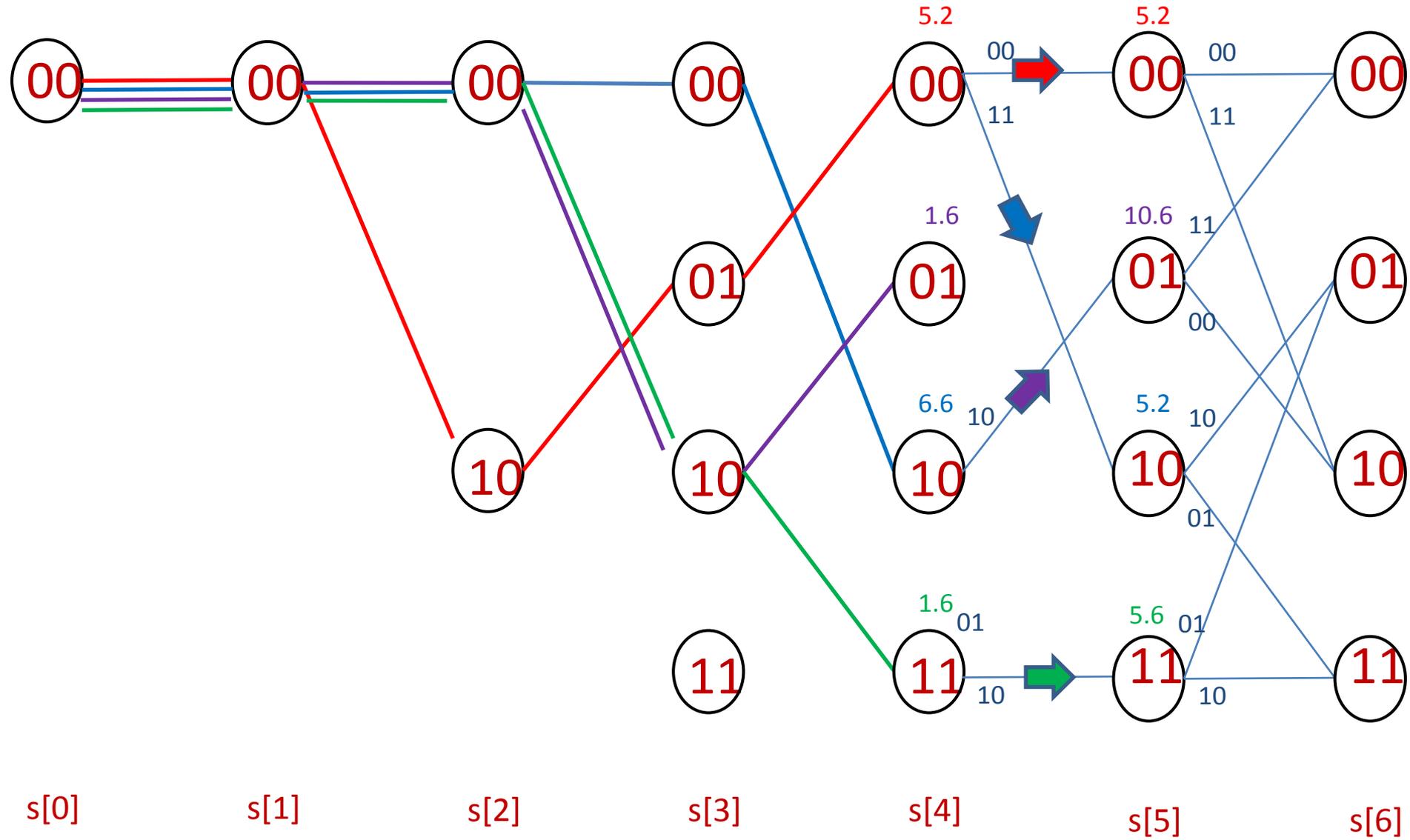
$z[2], z[3]=-0.1, 0.5$

$z[4], z[5]=0.3, 0.2$

$z[6], z[7]=-2, -2$

$z[8], z[9]=-2, 2$

$z[10], z[11]=-1, -1$





$z[0], z[1]=0.9, 0.8$

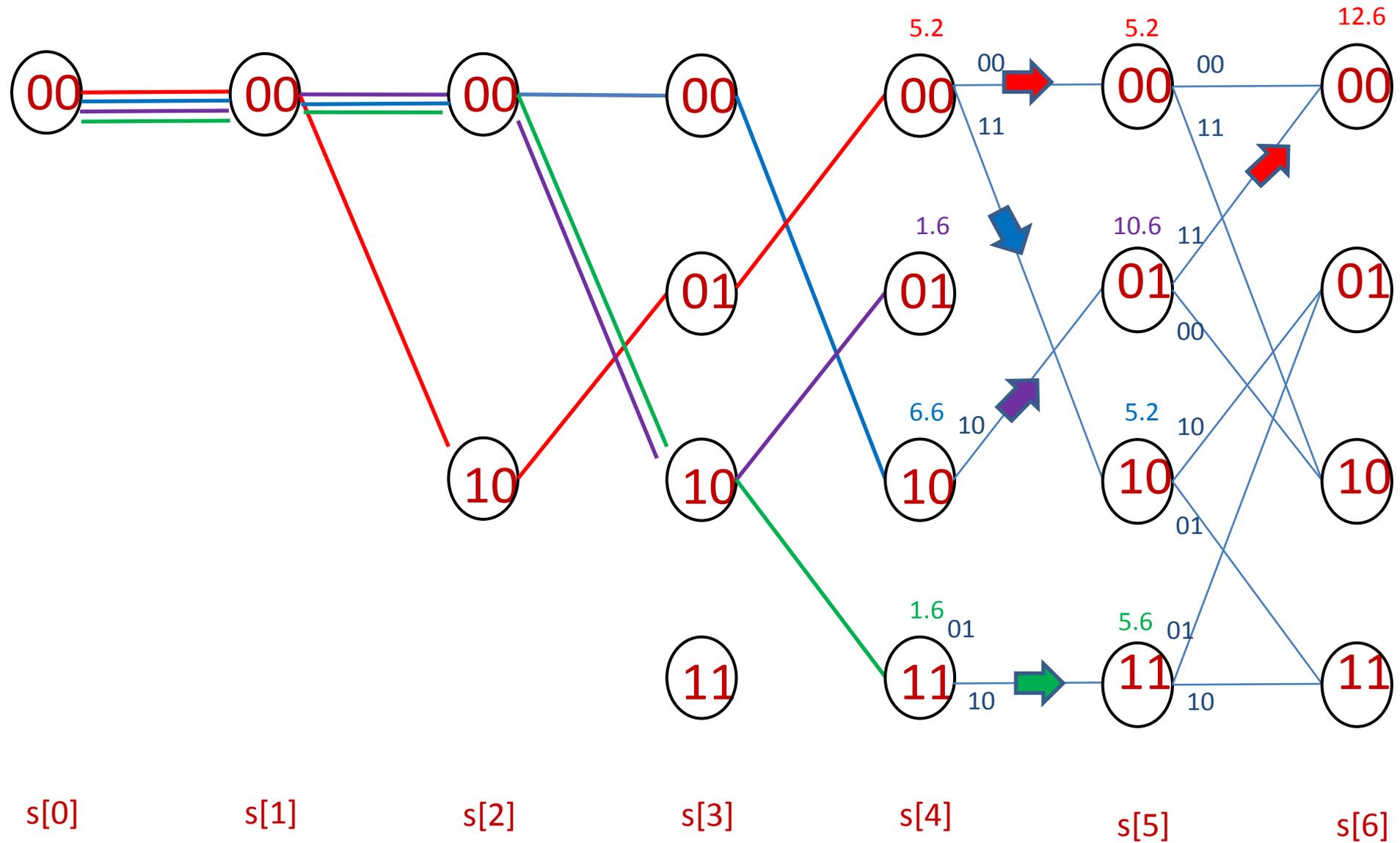
$z[2], z[3]=-0.1, 0.5$

$z[4], z[5]=0.3, 0.2$

$z[6], z[7]=-2, -2$

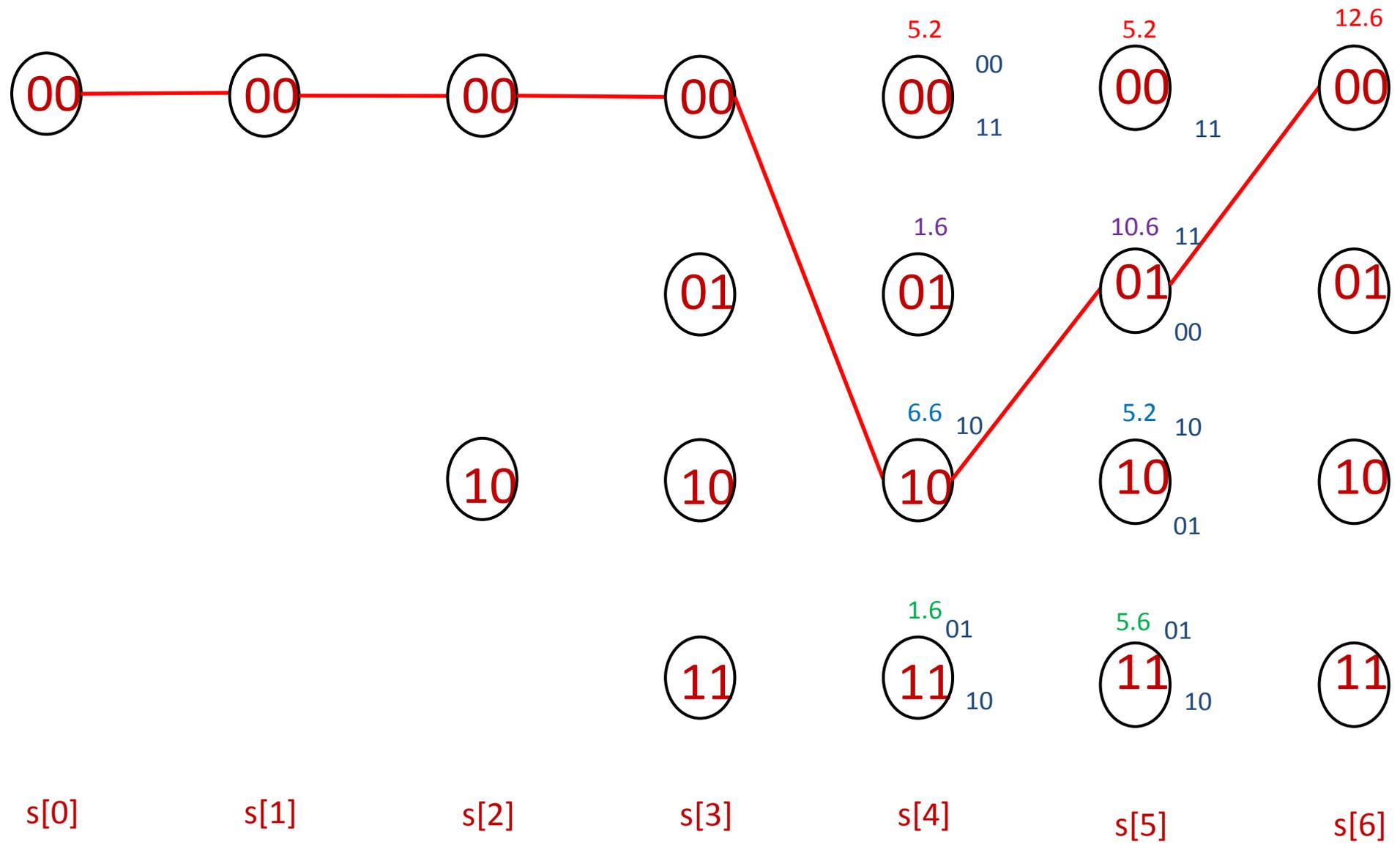
$z[8], z[9]=-2, 2$

$z[10], z[11]=-1, -1$

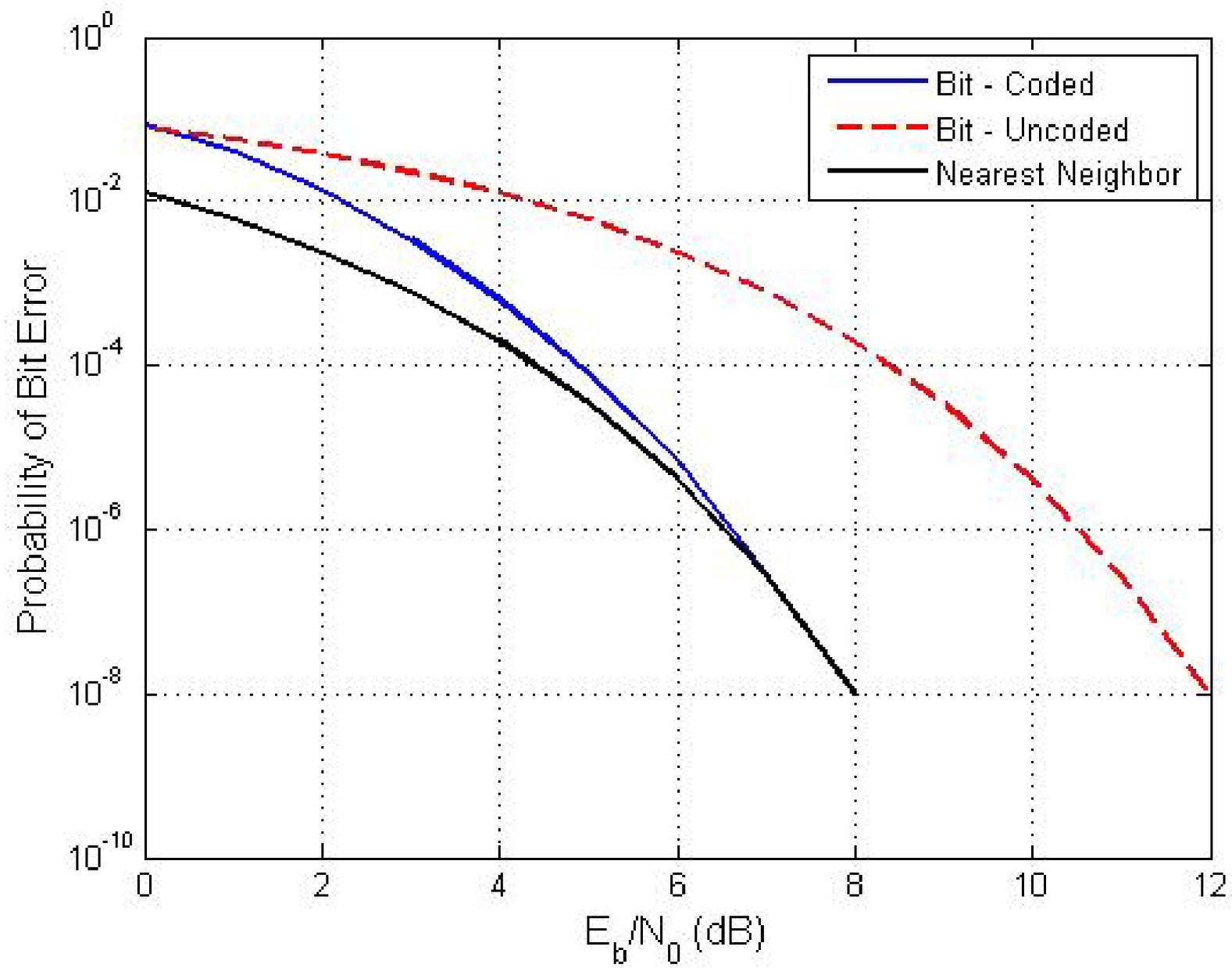


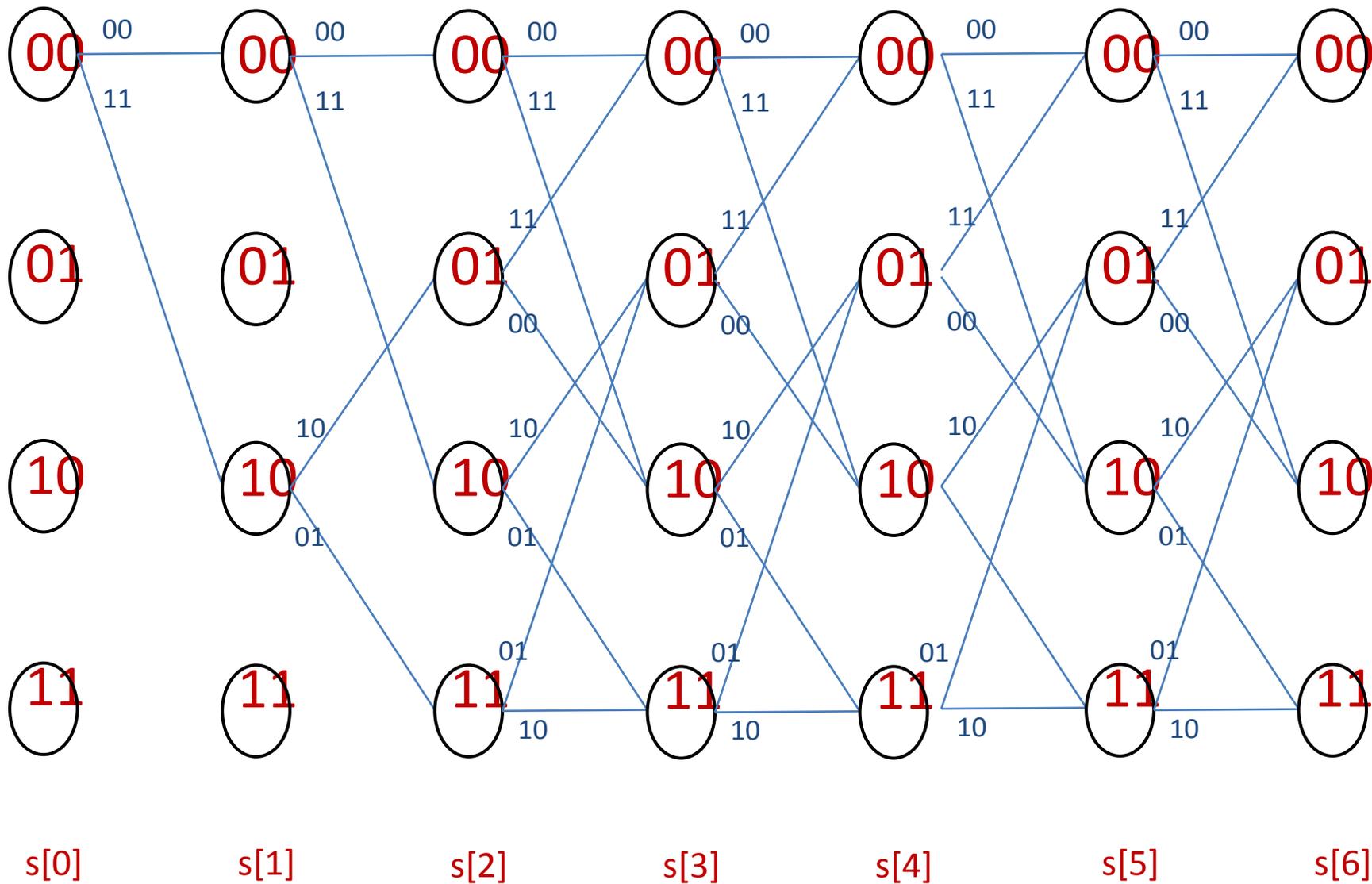


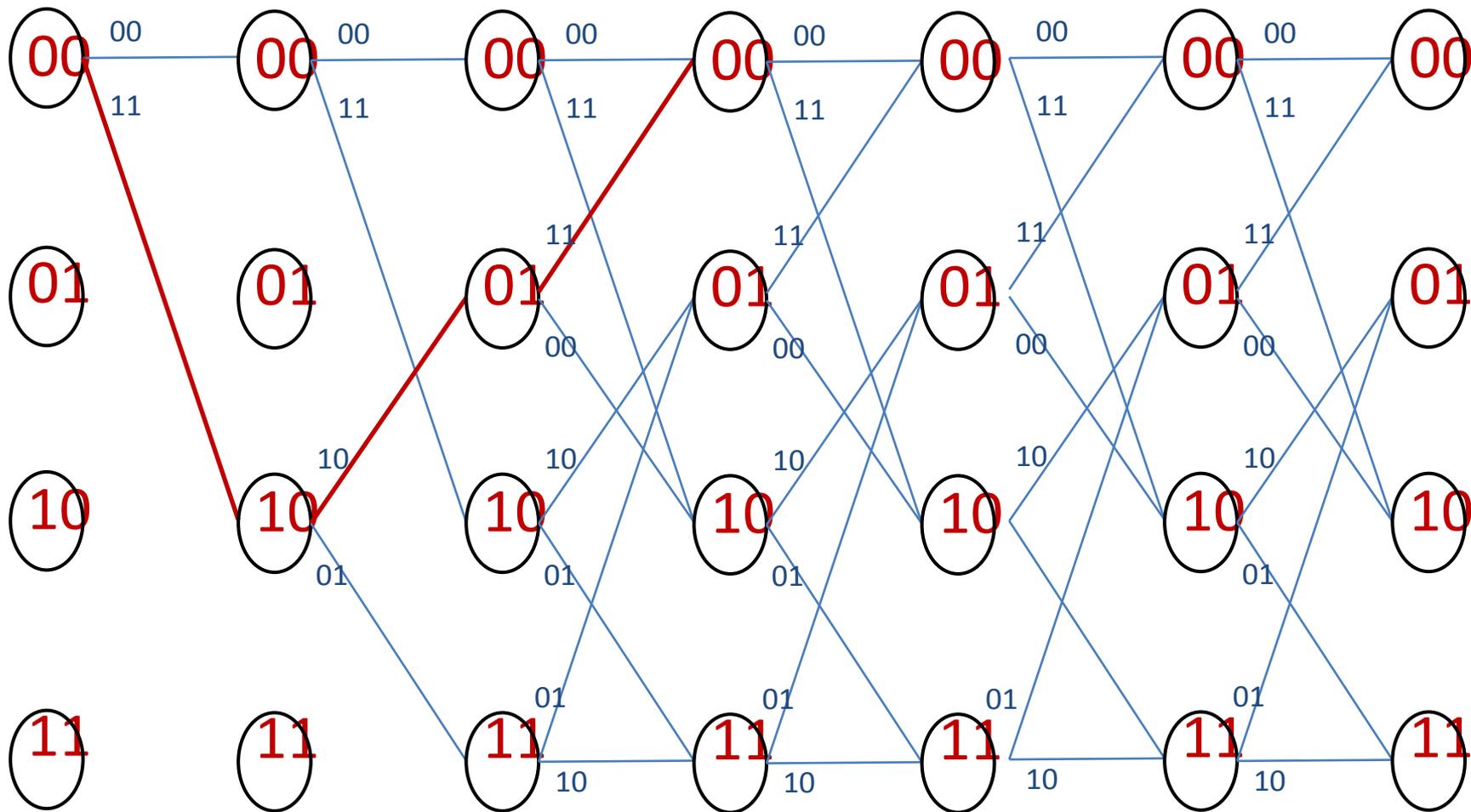
z[0], z[1]=0.9,0.8    z[2], z[3]=-0.1,0.5    z[4], z[5]=0.3,0.2    z[6], z[7]=-2,-2    z[8], z[9]=-2,2    z[10], z[11]=-1,-1



Viterbi estimate (accounting for termination) of four info bits: 0001





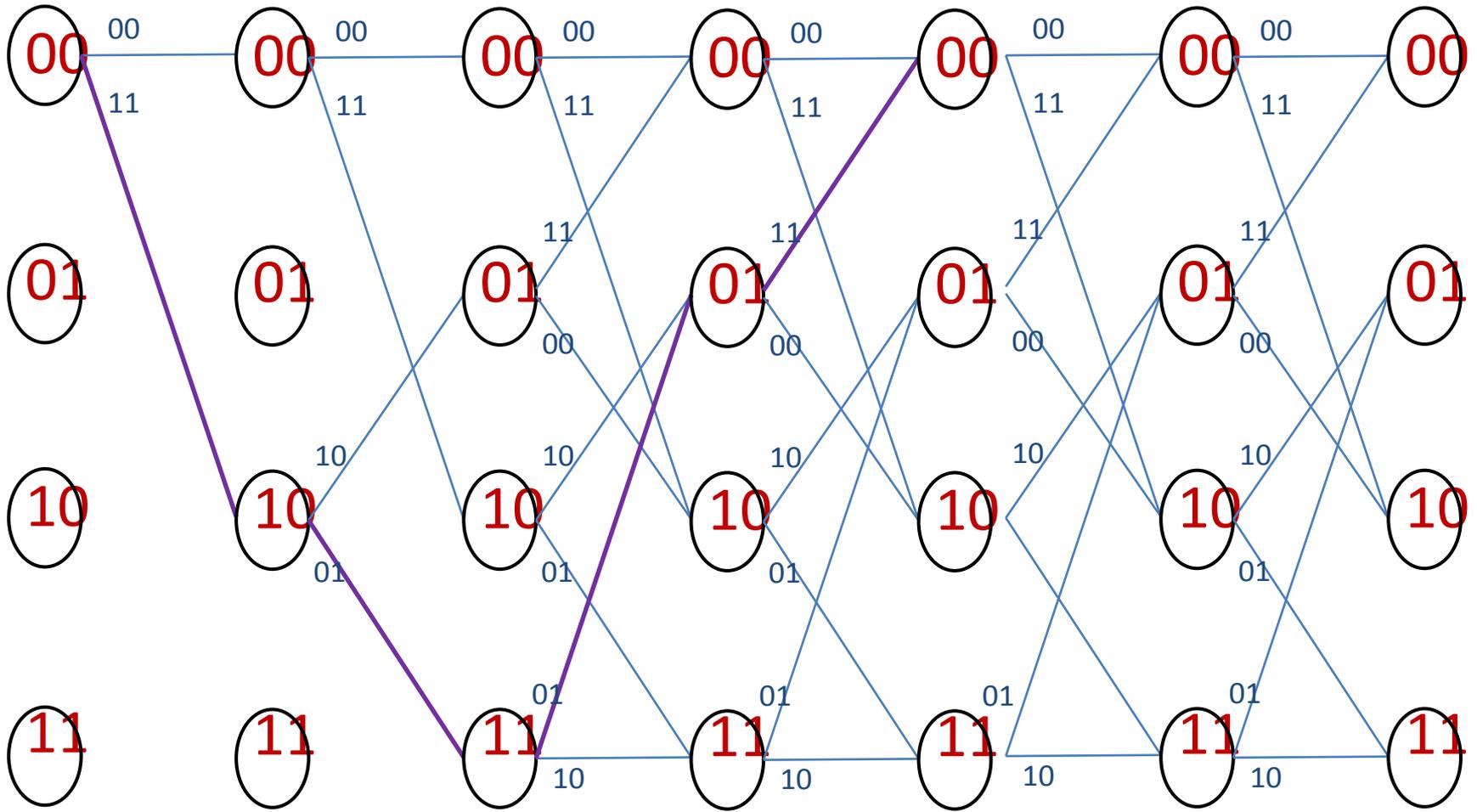


Info bit sequence: 100...

Codeword: 11 10 11 00 ...

Input weight=1

Output weight = 5



Info bit sequence: 1100...

Codeword: 11 01 01 11 00 ...

Input weight=2

Output weight = 6

