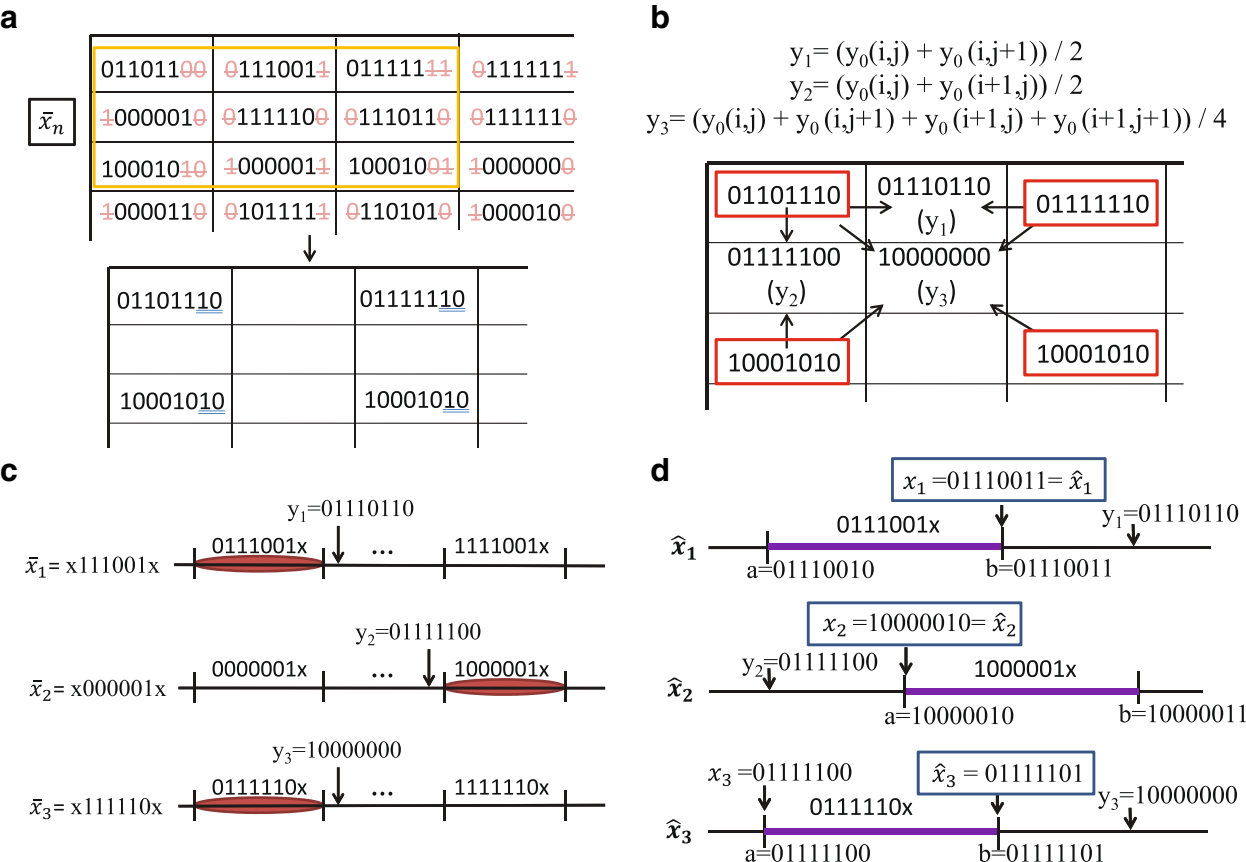
a
$\bar{x}_n$
01101100 01110011 01111111 01111111
10000010 01111100 01110110 01111110
10001000 10000011 10001001 10000000
10000110 01011110 01101010 10000100
01101110
01111110
10001010
10001010
b
$y_1 = (y_0(i,j) + y_0(i,j+1)) / 2$
$y_2 = (y_0(i,j) + y_0(i+1,j)) / 2$
$y_3 = (y_0(i,j) + y_0(i,j+1) + y_0(i+1,j) + y_0(i+1,j+1)) / 4$
01101110
01110110
(y_1)
01111110
01111100
(y_2)
10000000
(y_3)
10001010
10001010
c
y_1=01110110
$\bar{x}_1$= x111001x
0111001x
...
1111001x
y_2=01111100
$\bar{x}_2$= x000001x
0000001x
...
1000001x
y_3=10000000
$\bar{x}_3$= x111110x
0111110x
...
1111110x
d
x_1 =01110011= $\hat{x}_1$
$\hat{x}_1$
0111001x
y_1=01110110
a=01110010
b=01110011
x_2 =10000010= $\hat{x}_2$
$\hat{x}_2$
y_2=01111100
1000001x
a=10000010
b=10000011
x_3 =01111100
$\hat{x}_3$ = 01111101
$\hat{x}_3$
0111110x
y_3=10000000
a=01111100
b=01111101