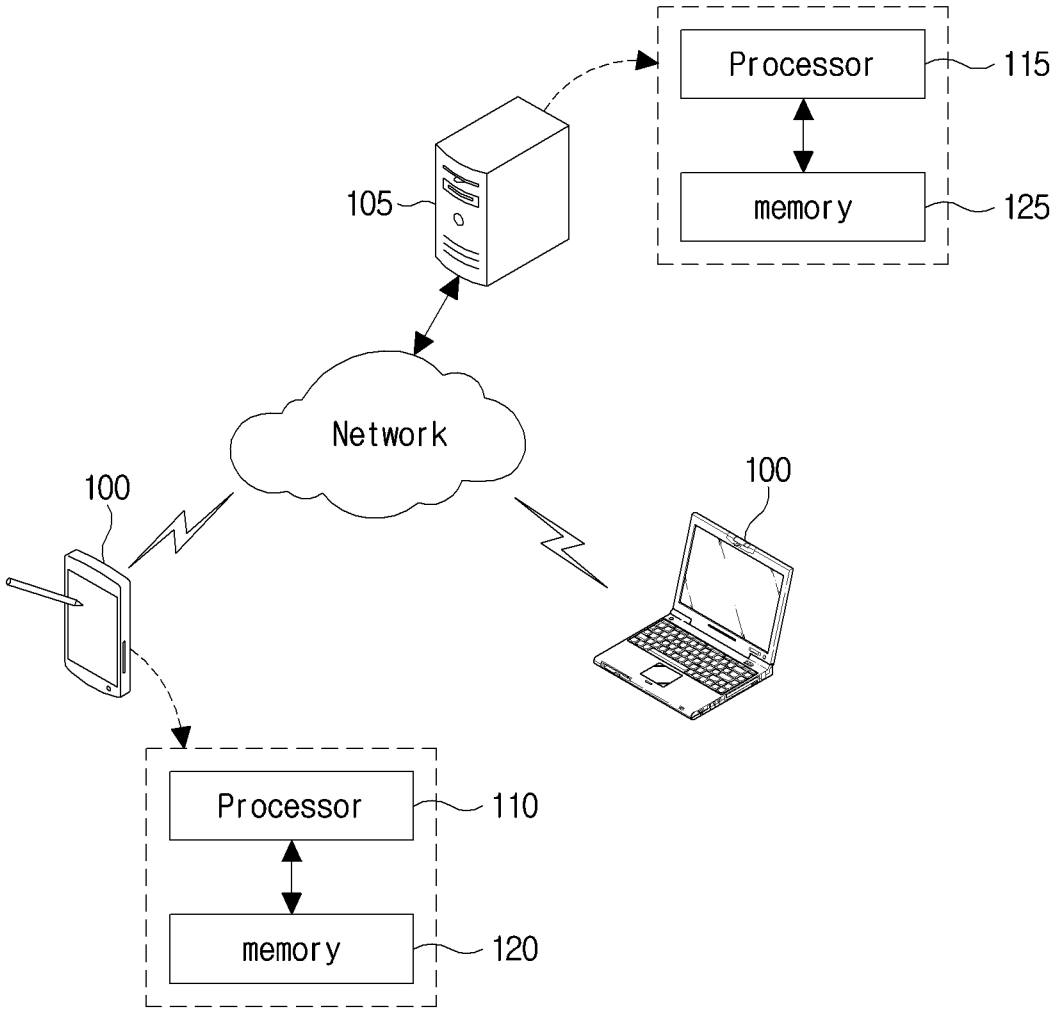
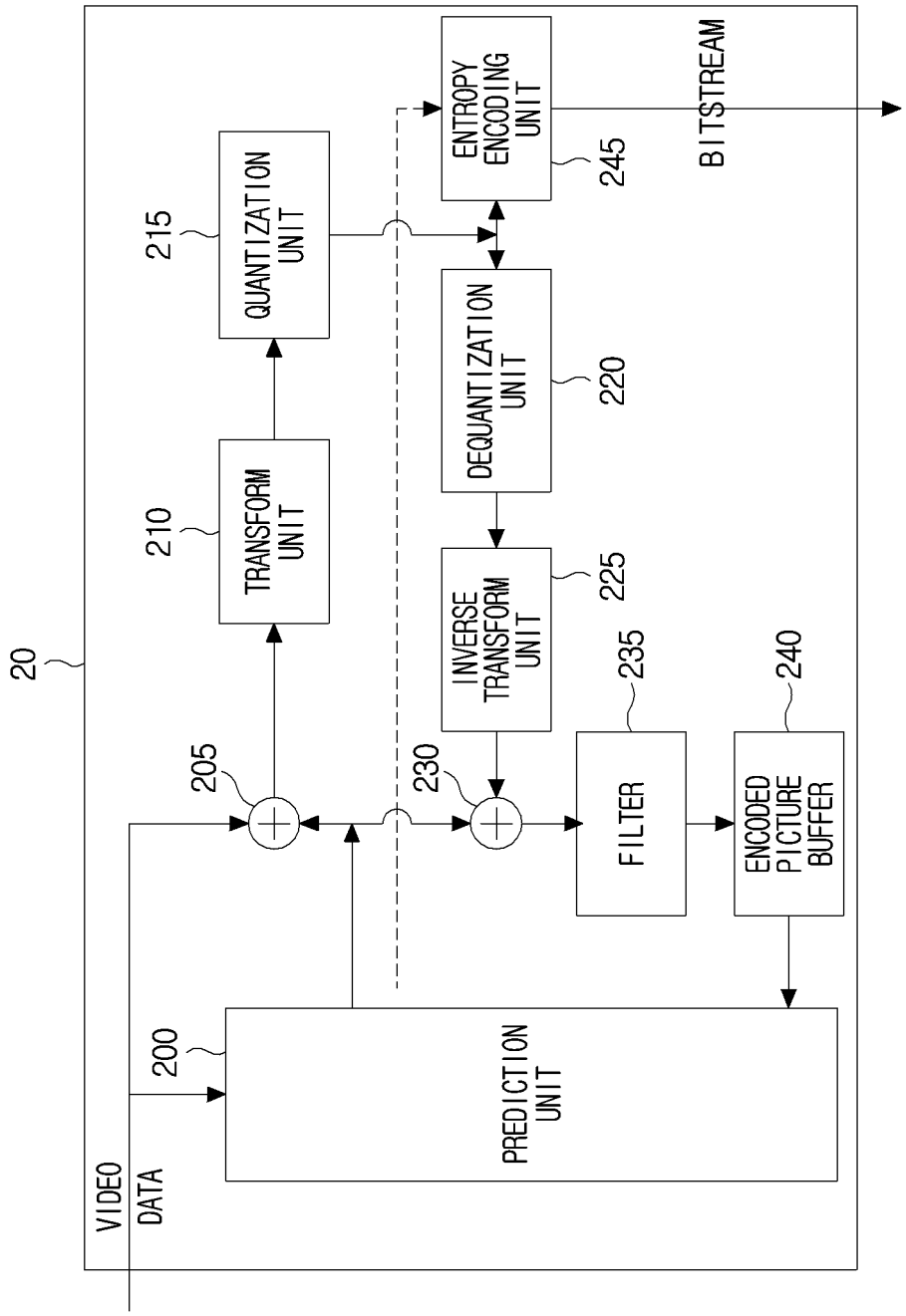
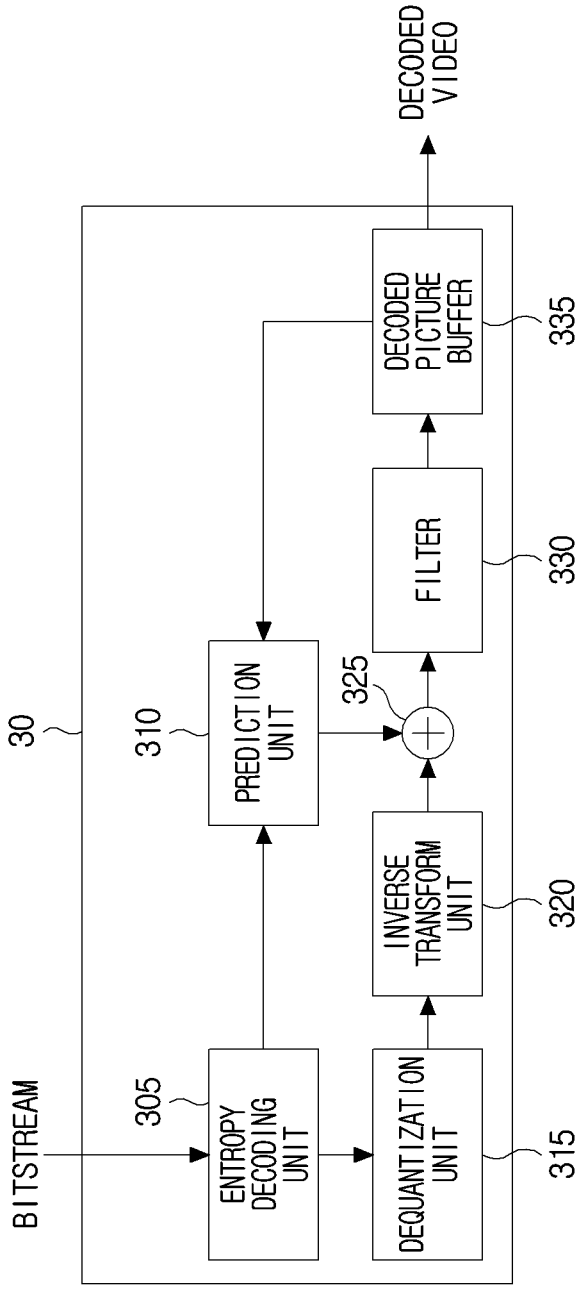
【FIG. 1】


Processor
115
memory
125
105
Network
100
100
Processor
110
memory
120

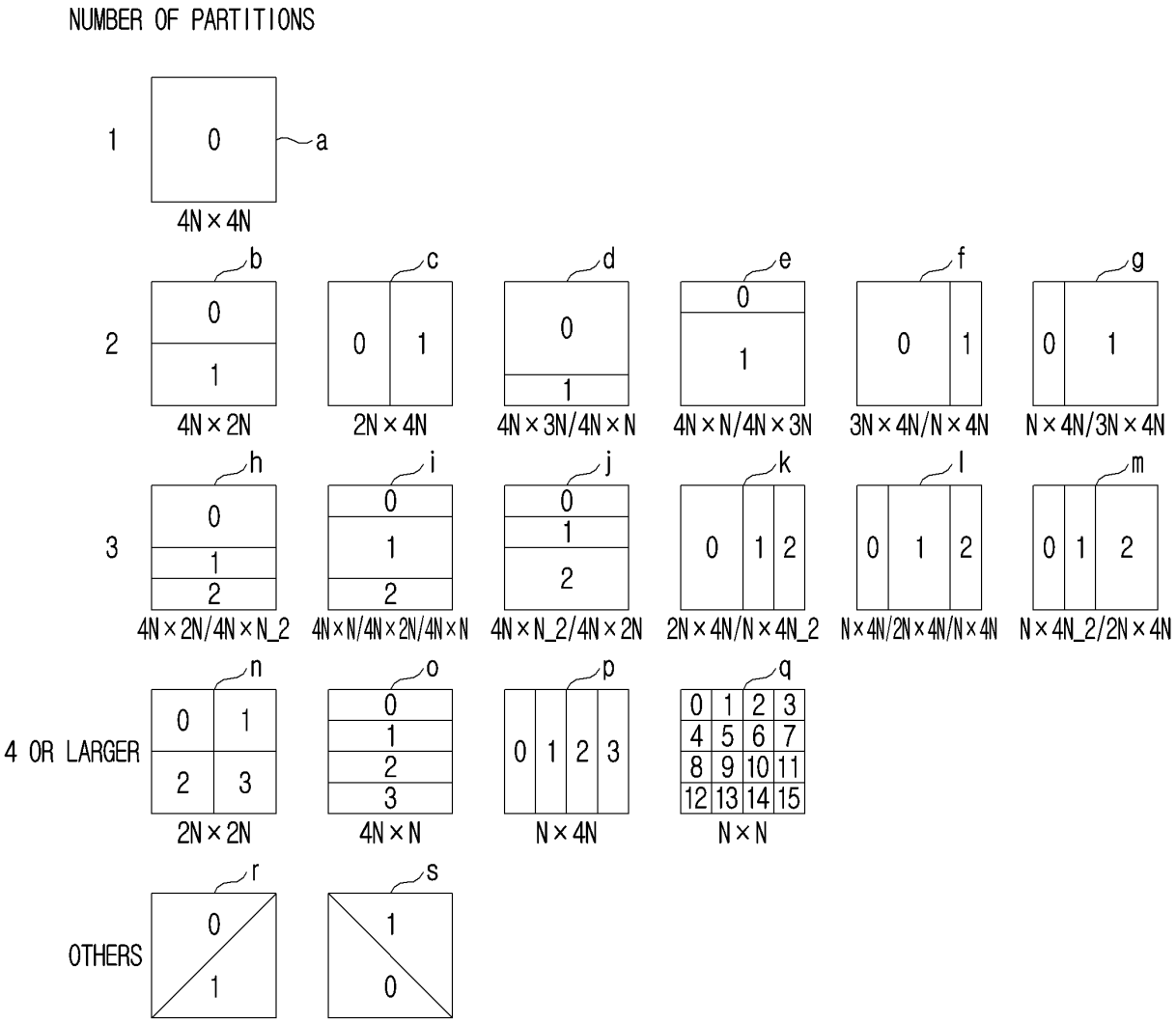
【FIG. 2】


20
VIDEO DATA
200
PREDICTION UNIT
205
TRANSFORM UNIT
210
QUANTIZATION UNIT
215
ENTROPY ENCODING UNIT
245
BITSTREAM
DEQUANTIZATION UNIT
220
INVERSE TRANSFORM UNIT
225
230
FILTER
235
ENCODED PICTURE BUFFER
240

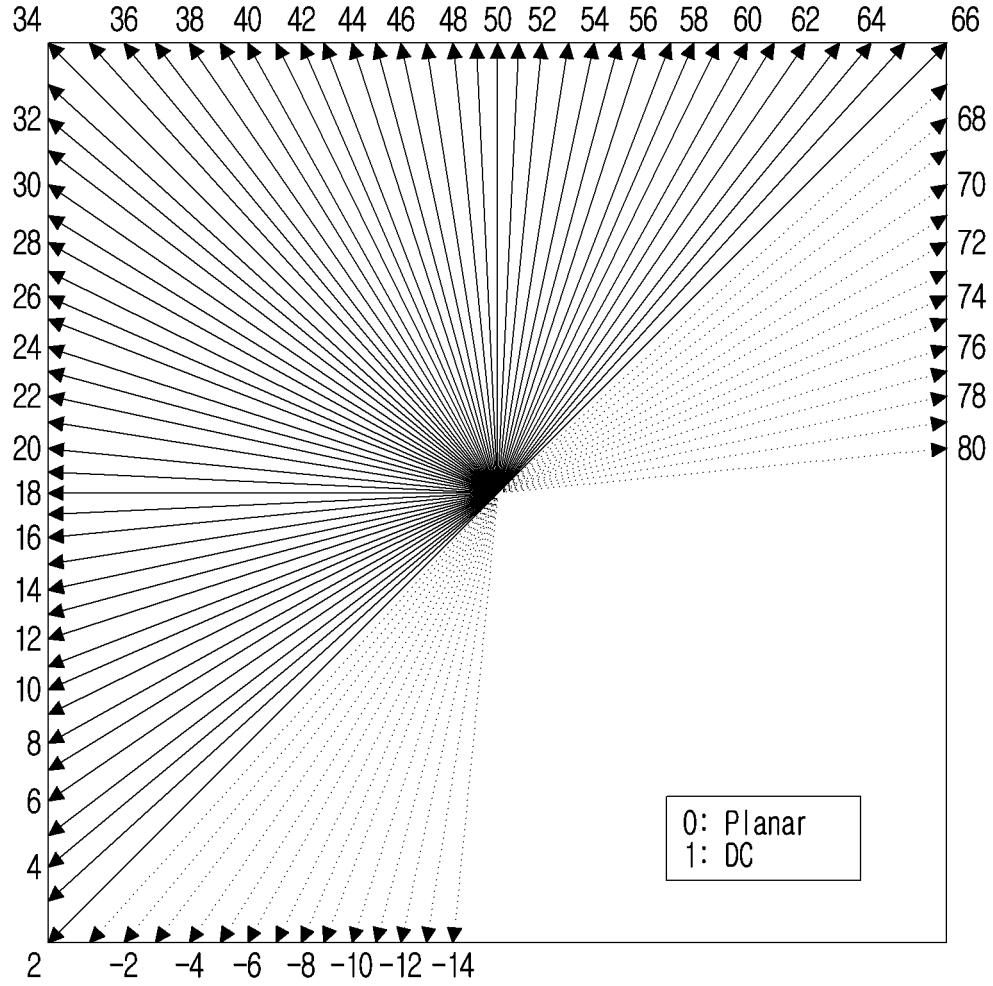
【FIG. 3】


DECODED VIDEO
DECODED PICTURE BUFFER
335
FILTER
330
325
PREDICTION UNIT
310
30
INVERSE TRANSFORM UNIT
320
BITSTREAM
305
ENTROPY DECODING UNIT
DEQUANTIZATION UNIT
315

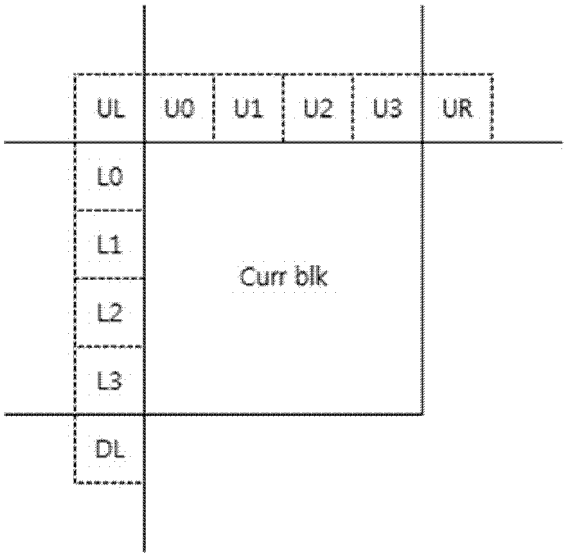
【FIG. 4】


NUMBER OF PARTITIONS
1
0
a
4N × 4N
2
b
0
1
4N × 2N
c
0
1
2N × 4N
d
0
1
4N × 3N/4N × N
e
0
1
4N × N/4N × 3N
f
0
1
3N × 4N/N × 4N
g
0
1
N × 4N/3N × 4N
3
h
0
1
2
4N × 2N/4N × N_2
i
0
1
2
4N × N/4N × 2N/4N × N
j
0
1
2
4N × N_2/4N × 2N
k
0
1
2
2N × 4N/N × 4N_2
l
0
1
2
N × 4N/2N × 4N/N × 4N
m
0
1
2
N × 4N_2/2N × 4N
4 OR LARGER
n
0
1
2
3
2N × 2N
o
0
1
2
3
4N × N
p
0
1
2
3
N × 4N
q
0 1 2 3
4 5 6 7
8 9 10 11
12 13 14 15
N × N
OTHERS
r
0
1
s
1
0

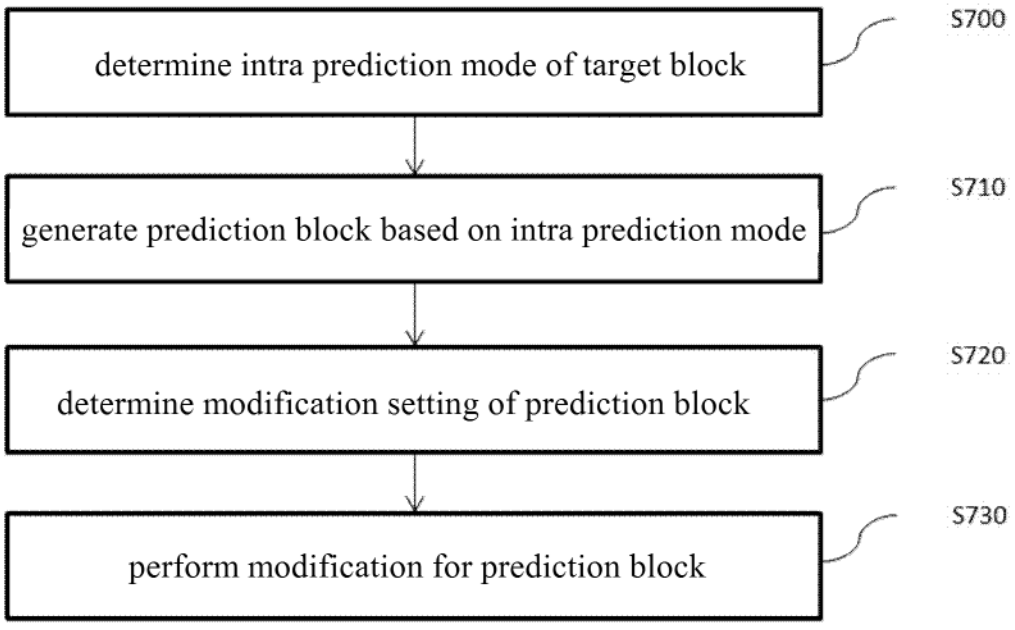
【FIG. 5】


34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66
32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2
68 70 72 74 76 78 80
-2 -4 -6 -8 -10 -12 -14
0: Planar
1: DC

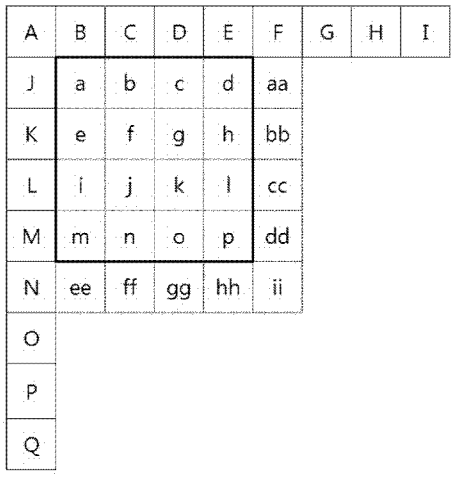
【FIG. 6】


UL
U0
U1
U2
U3
UR
L0
L1
L2
L3
DL
Curr blk

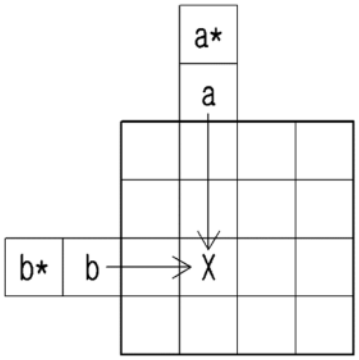
【FIG. 7】


determine intra prediction mode of target block
S700
generate prediction block based on intra prediction mode
S710
determine modification setting of prediction block
S720
perform modification for prediction block
S730

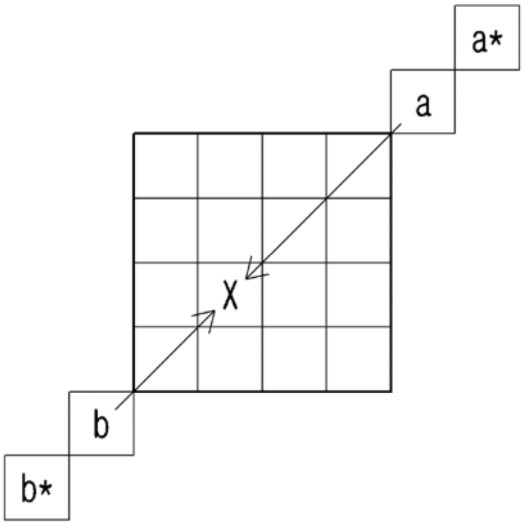
【FIG. 8】



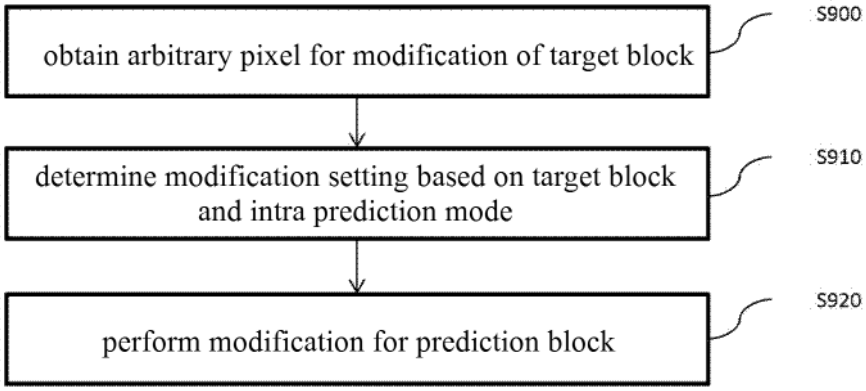
【FIG. 9A】



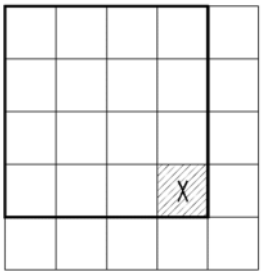
【FIG. 9B】



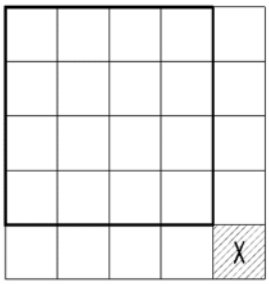
【FIG. 10】



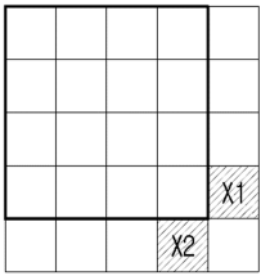
【FIG. 11A】



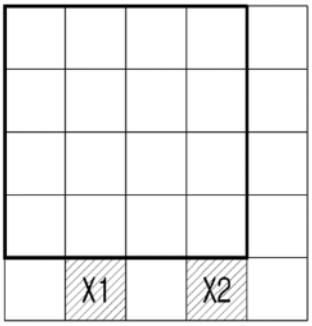
【FIG. 11B】



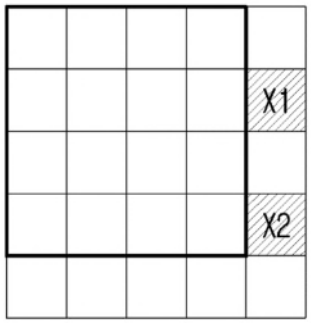
【FIG. 11C】



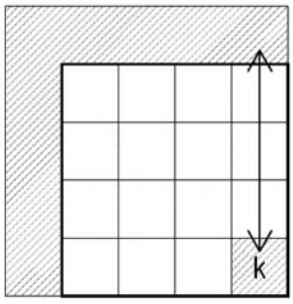
【FIG. 11D】



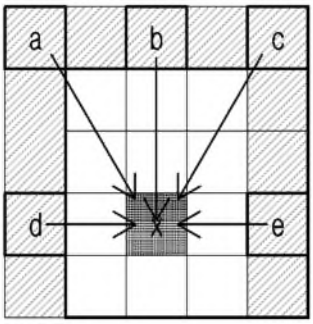
【FIG. 11E】



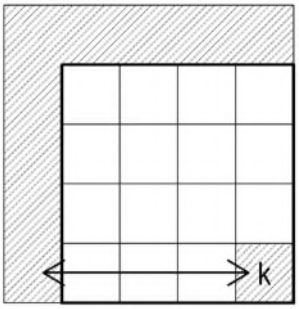
【FIG. 12A】



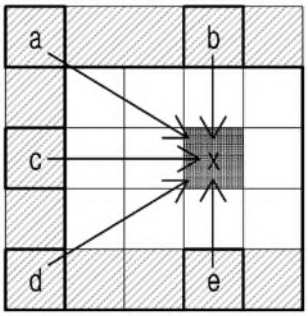
【FIG. 12B】



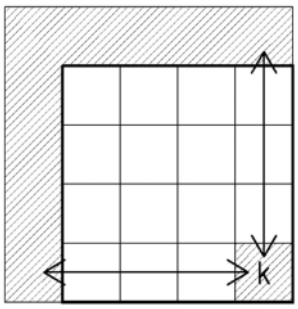
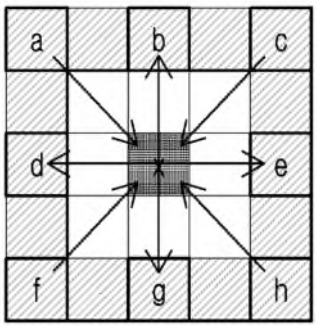
【FIG. 12C】



【FIG. 12D】



【FIG. 12E】



【FIG. 12F】