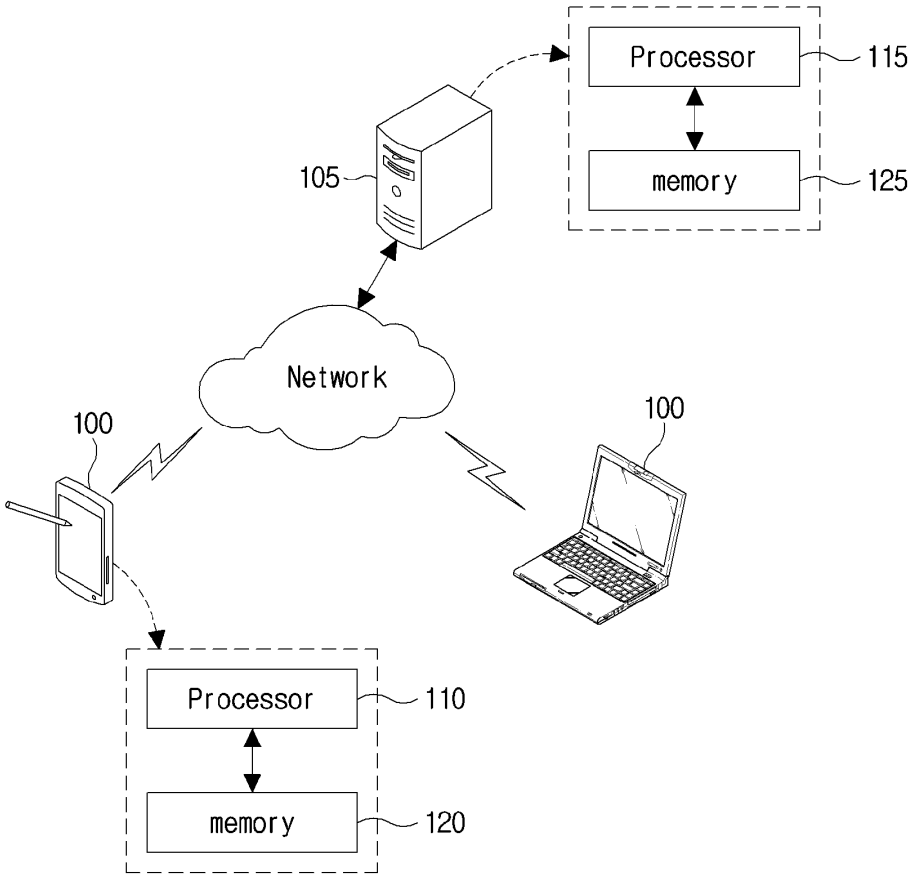
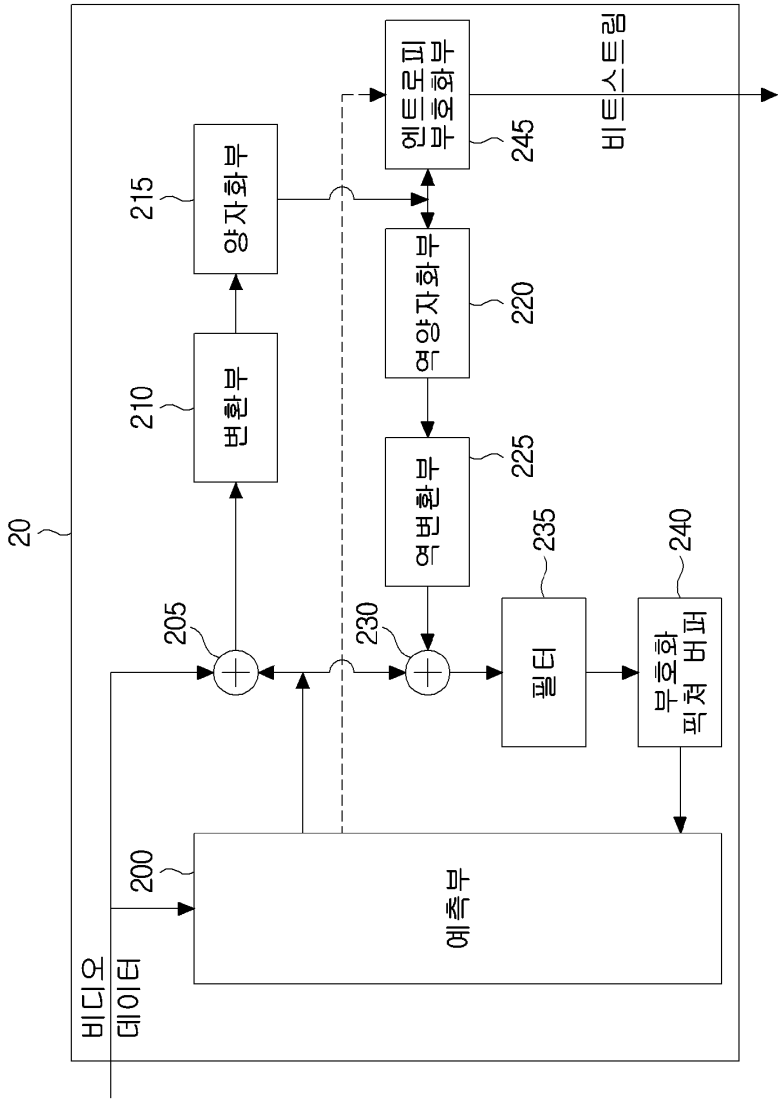
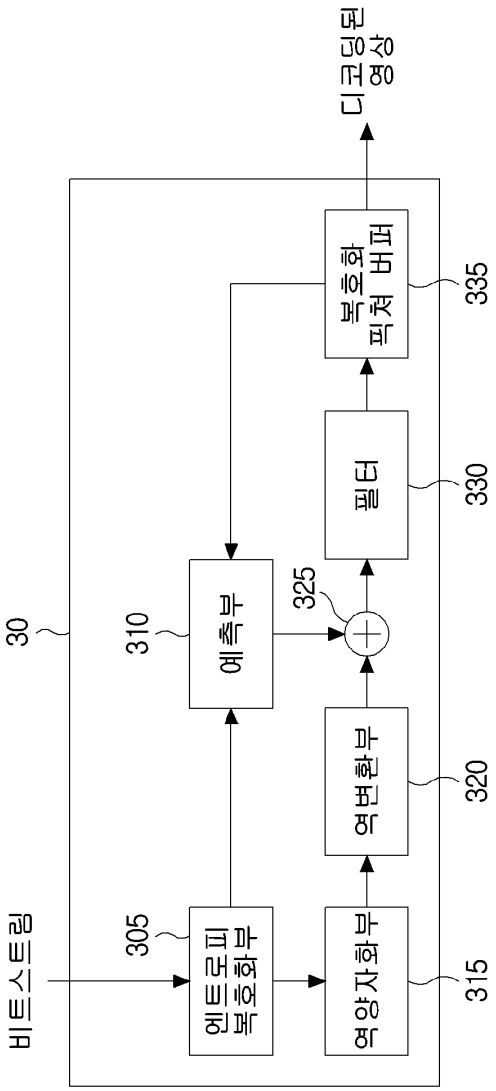
[도1]


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

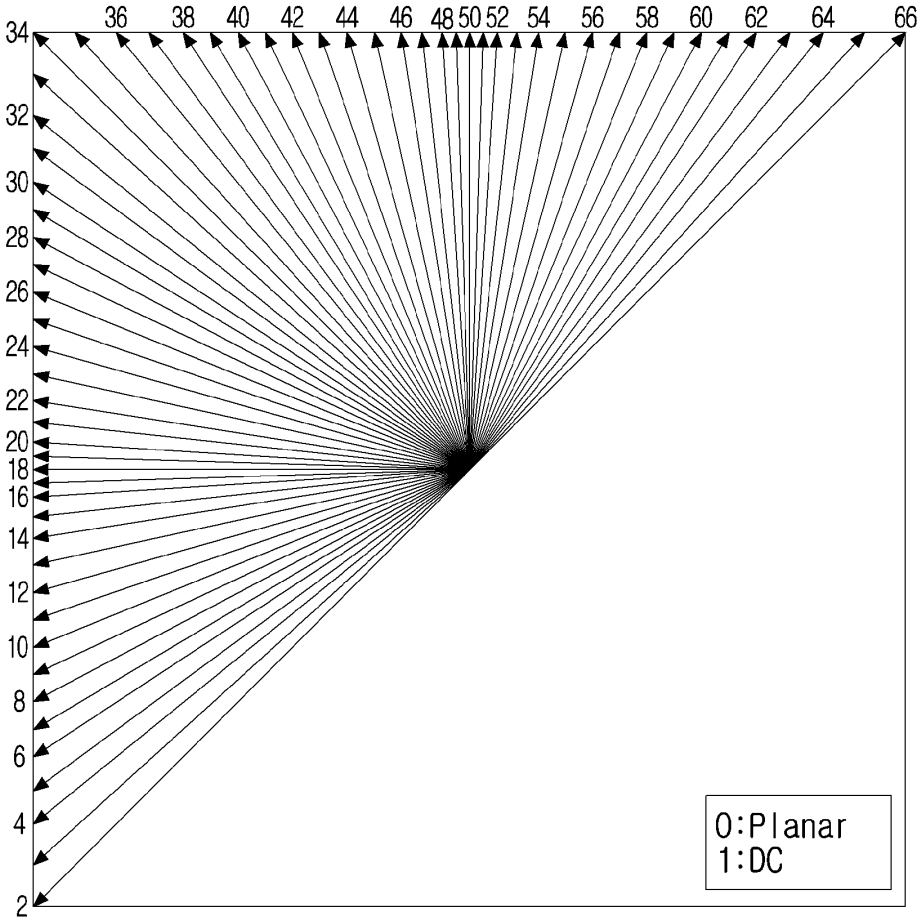
[도2]


20
비디오 데이터
200
예측부
205
210
변환부
215
양자화부
220
역양자화부
225
역변환부
230
235
필터
240
부호화 픽쳐 버퍼
245
엔트로피 부호화부
비트스트림

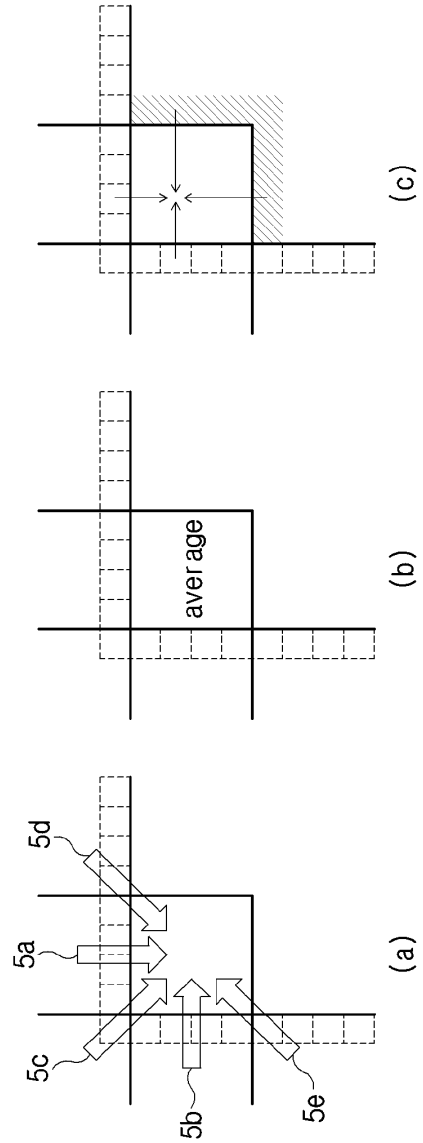
[도3]


디코딩된 영상
30
비트스트림
305
엔트로피 복호화부
310
예측부
315
역양자화부
320
역변환부
325
330
필터
335
복호화 픽쳐 버퍼

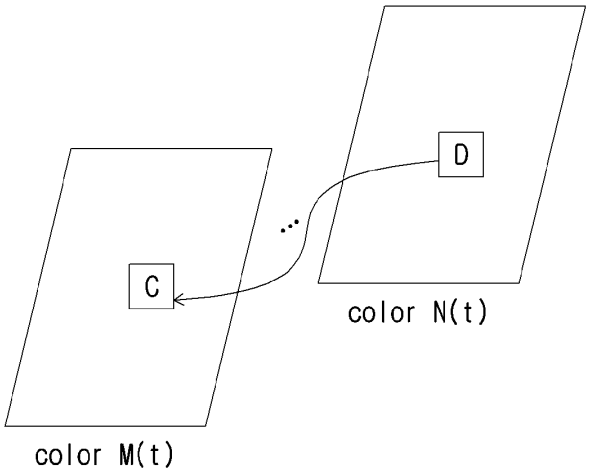
[도4]


36
38
40
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62
64
66
34
32
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28
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24
22
20
18
16
14
12
10
8
6
4
2
0:Planar
1:DC

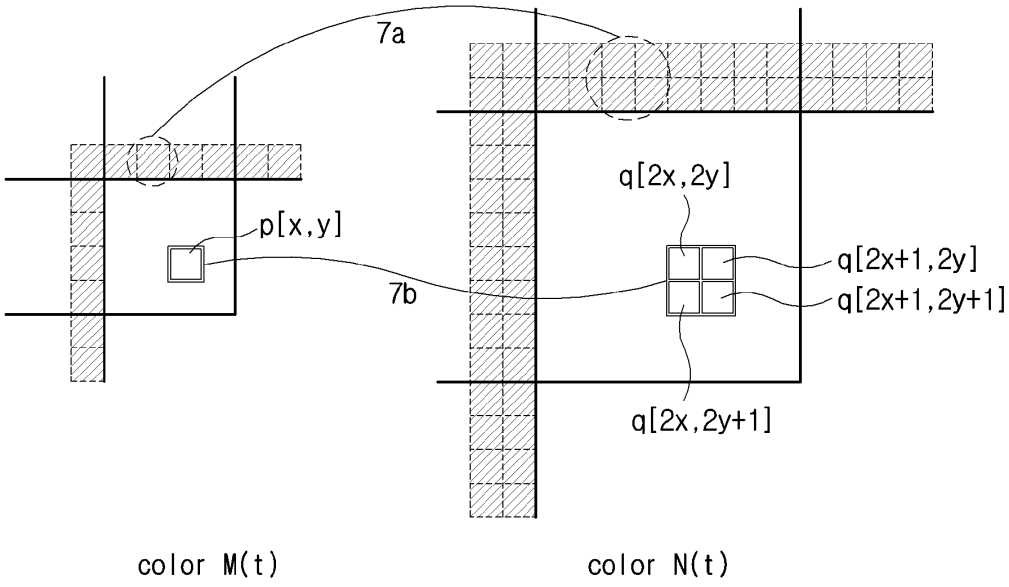
[도5]



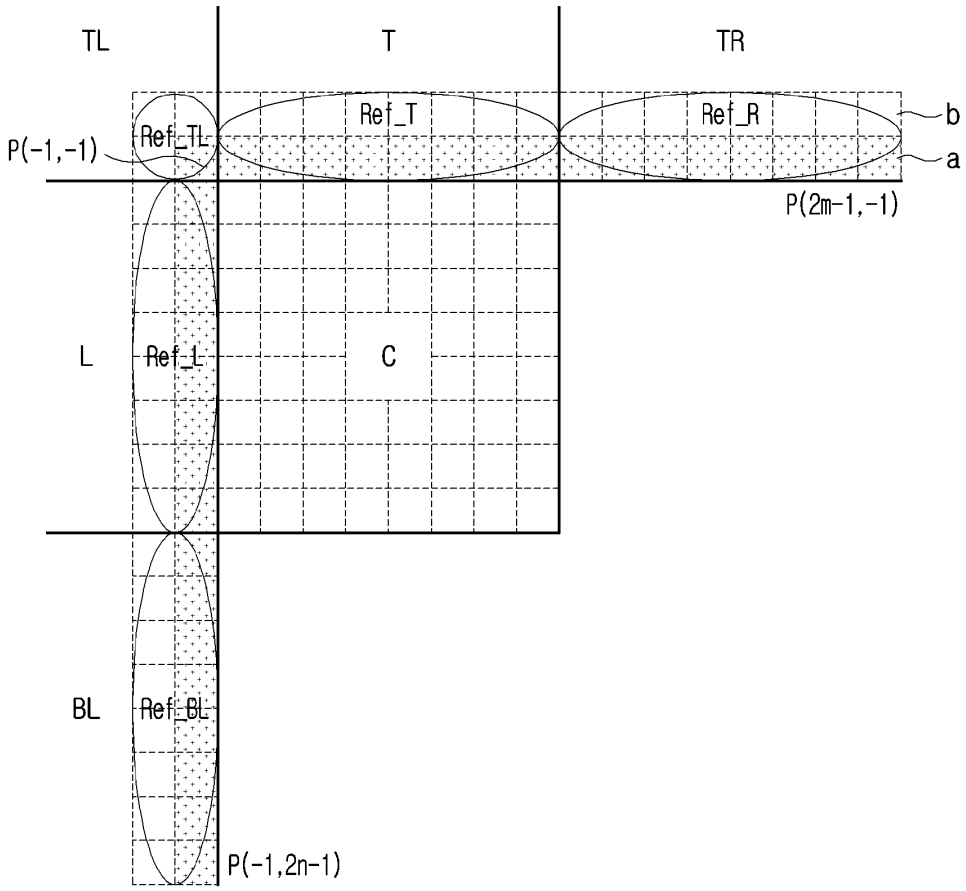
[도6]


D
C
color N(t)
color M(t)

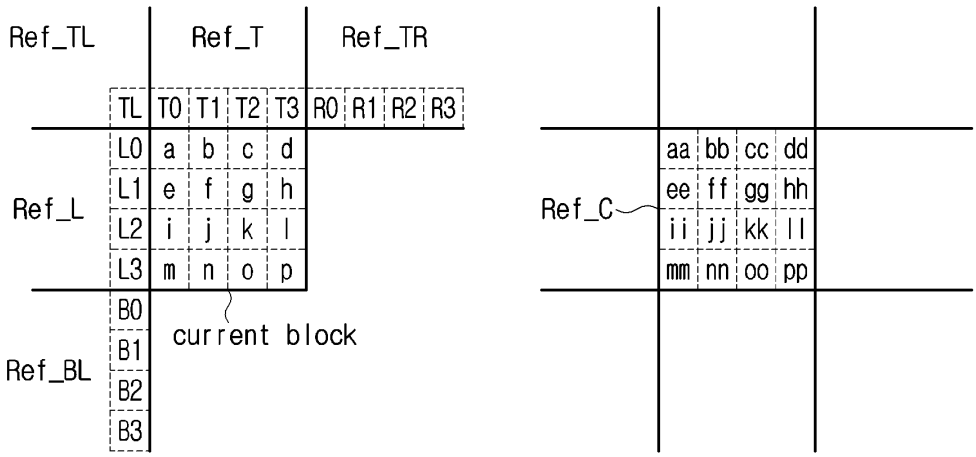
[도7]


7a
p[x,y]
7b
q[2x,2y]
q[2x+1,2y]
q[2x+1,2y+1]
q[2x,2y+1]
color M(t)
color N(t)

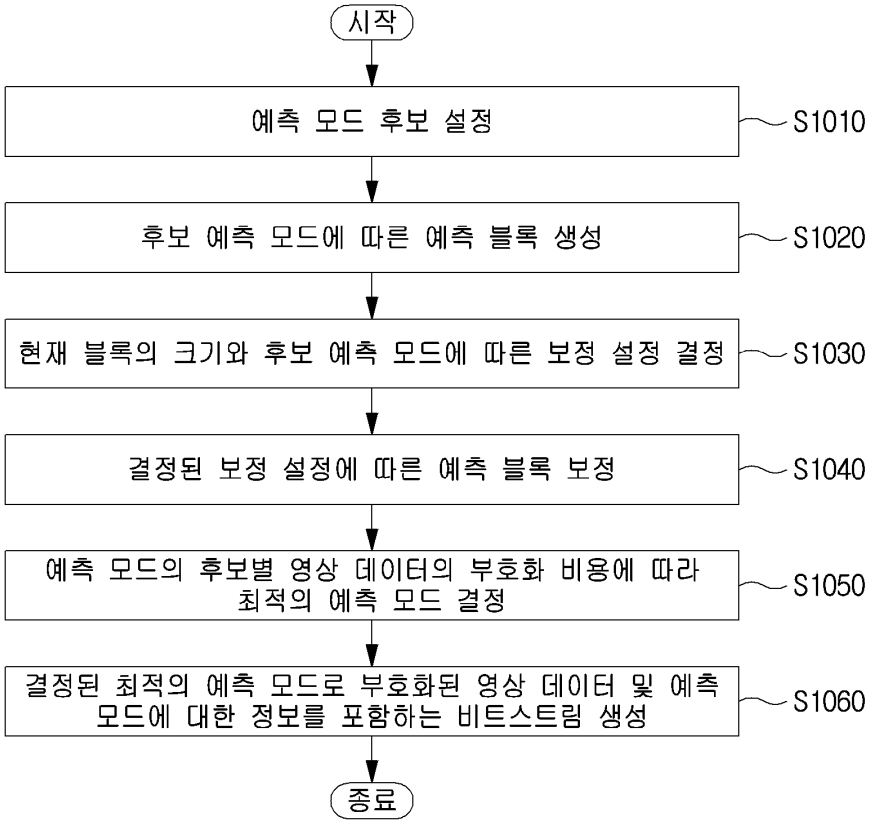
[도8]


TL
T
TR
Ref_TL
Ref_T
Ref_R
b
a
P(-1,-1)
P(2m-1,-1)
L
Ref_L
C
BL
Ref_BL
P(-1,2n-1)

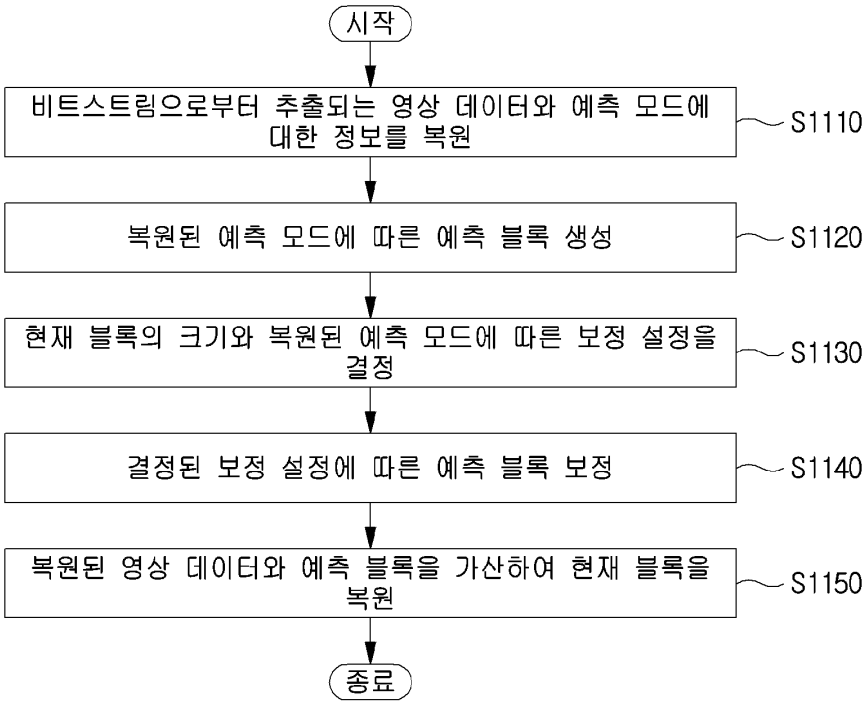
[도9]


Ref_TL
Ref_T
Ref_TR
TL T0 T1 T2 T3 R0 R1 R2 R3
L0 a b c d
L1 e f g h
L2 i j k l
L3 m n o p
Ref_L
B0
B1
B2
B3
Ref_BL
current block
Ref_C
aa bb cc dd
ee ff gg hh
ii jj kk ll
mm nn oo pp

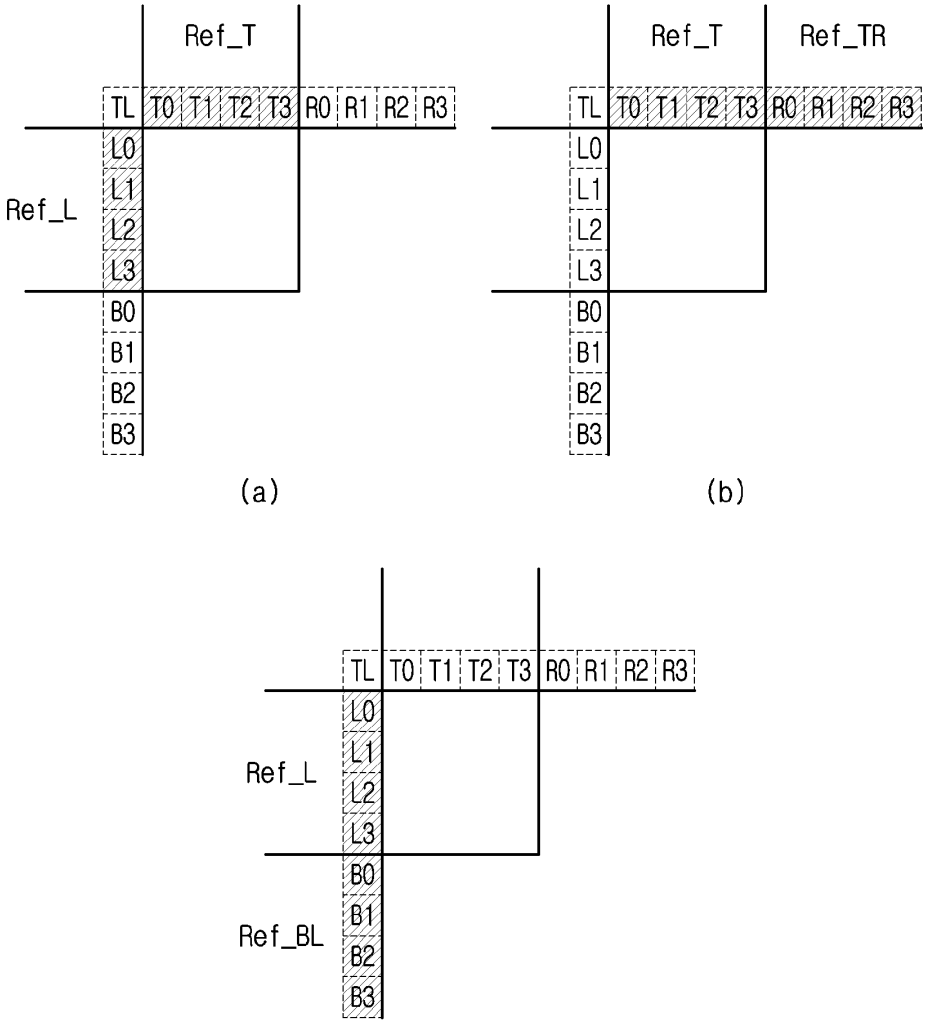
[도10]


시작
예측 모드 후보 설정
S1010
후보 예측 모드에 따른 예측 블록 생성
S1020
현재 블록의 크기와 후보 예측 모드에 따른 보정 설정 결정
S1030
결정된 보정 설정에 따른 예측 블록 보정
S1040
예측 모드의 후보별 영상 데이터의 부호화 비용에 따라 최적의 예측 모드 결정
S1050
결정된 최적의 예측 모드로 부호화된 영상 데이터 및 예측 모드에 대한 정보를 포함하는 비트스트림 생성
S1060
종료

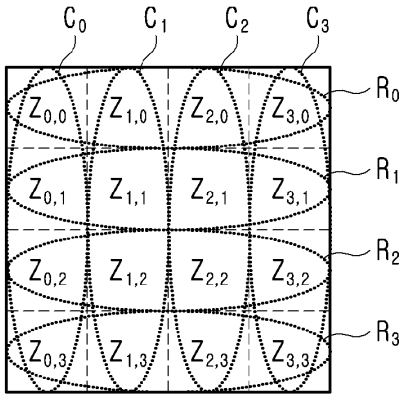
[도11]


시작
비트스트림으로부터 추출되는 영상 데이터와 예측 모드에 대한 정보를 복원
S1110
복원된 예측 모드에 따른 예측 블록 생성
S1120
현재 블록의 크기와 복원된 예측 모드에 따른 보정 설정을 결정
S1130
결정된 보정 설정에 따른 예측 블록 보정
S1140
복원된 영상 데이터와 예측 블록을 가산하여 현재 블록을 복원
S1150
종료

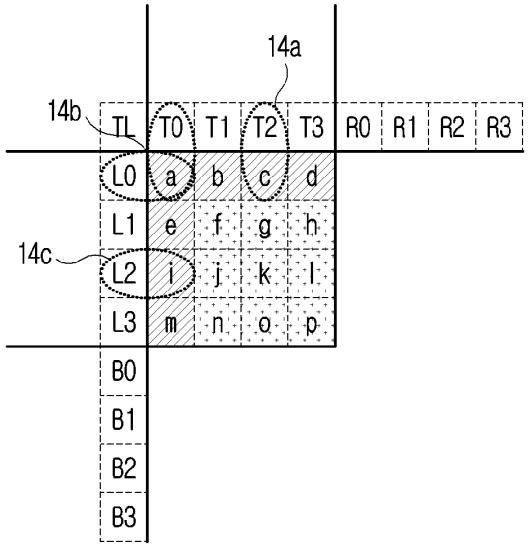
[도12]


Ref_T
TL T0 T1 T2 T3 R0 R1 R2 R3
L0 L1 L2 L3
Ref_L
B0 B1 B2 B3
(a)
Ref_T
Ref_TR
TL T0 T1 T2 T3 R0 R1 R2 R3
L0 L1 L2 L3
B0 B1 B2 B3
(b)
TL T0 T1 T2 T3 R0 R1 R2 R3
L0 L1 L2 L3
Ref_L
B0 B1 B2 B3
Ref_BL
(c)

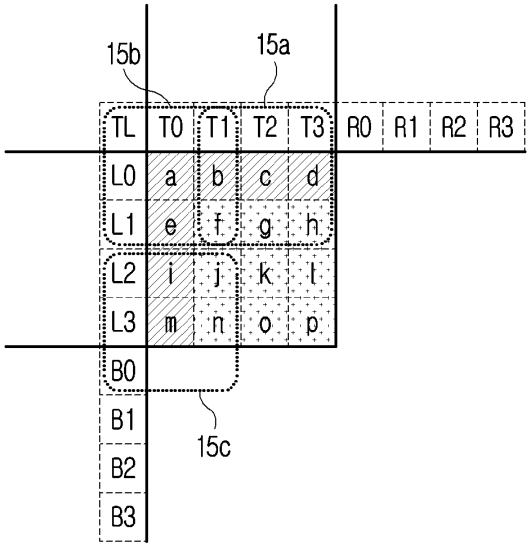
[도13]


C0 C1 C2 C3
R0 R1 R2 R3
Z0,0 Z1,0 Z2,0 Z3,0
Z0,1 Z1,1 Z2,1 Z3,1
Z0,2 Z1,2 Z2,2 Z3,2
Z0,3 Z1,3 Z2,3 Z3,3

[도14]


14a
14b
14c
TL
T0
T1
T2
T3
R0
R1
R2
R3
L0
L1
L2
L3
B0
B1
B2
B3
a
b
c
d
e
f
g
h
i
j
k
l
m
n
o
p

[도15]


15b
15a
15c
TL
T0
T1
T2
T3
R0
R1
R2
R3
L0
L1
L2
L3
B0
B1
B2
B3
a
b
c
d
e
f
g
h
i
j
k
l
m
n
o
p