

FIG. 1

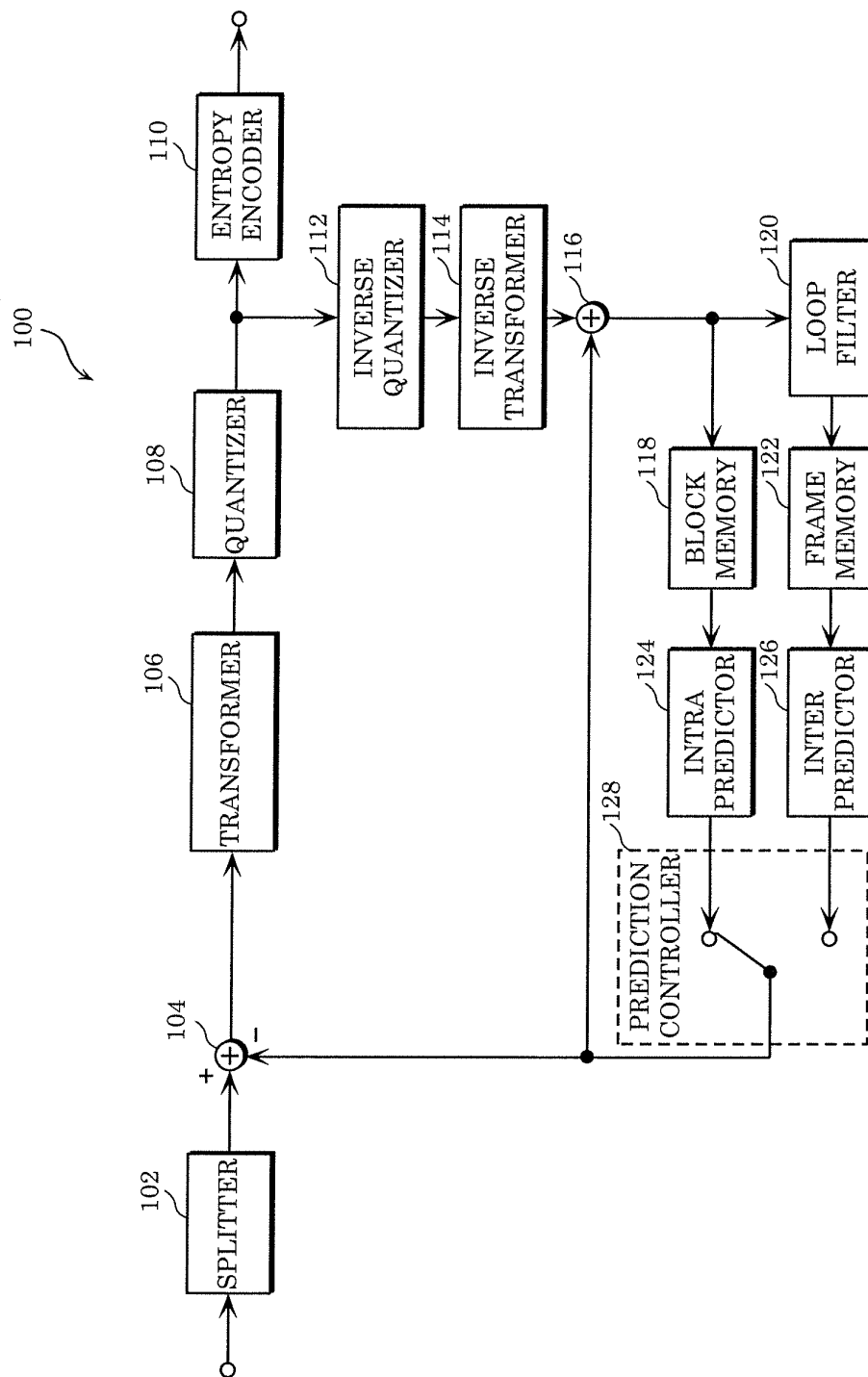


FIG. 2

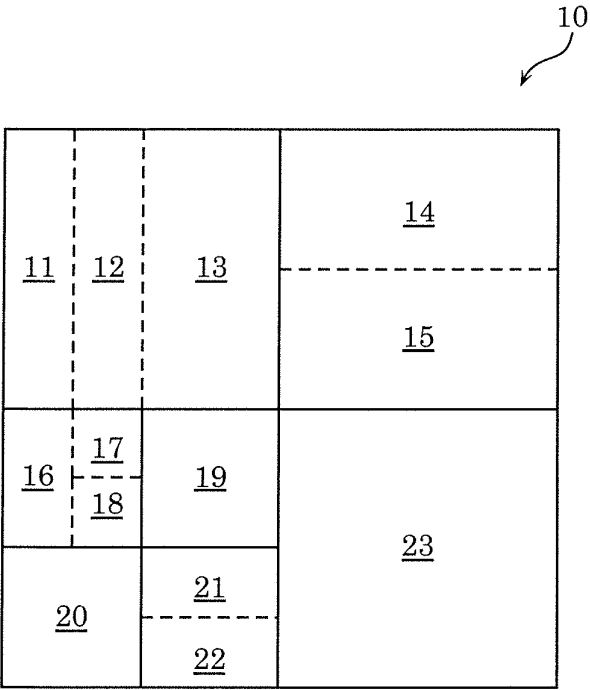


FIG. 3

TRANSFORM TYPE	BASIS FUNCTION $T_i(j)$, $i, j = 0, 1, \dots, N - 1$
DCT - II	$T_i(j) = \omega_0 \cdot \sqrt{\frac{2}{N}} \cdot \cos \left(\frac{\pi \cdot i \cdot (2j + 1)}{2N} \right)$ $\text{WHERE } \omega_0 = \begin{cases} \sqrt{\frac{2}{N}} & i = 0 \\ 1 & i \neq 0 \end{cases}$
DCT - V	$T_i(j) = \omega_0 \cdot \omega_1 \cdot \sqrt{\frac{2}{2N - 1}} \cdot \cos \left(\frac{2\pi \cdot i \cdot j}{2N - 1} \right)$ $\text{WHERE } \omega_0 = \begin{cases} \sqrt{\frac{2}{N}} & i = 0 \\ 1 & i \neq 0 \end{cases}, \omega_1 = \begin{cases} \sqrt{\frac{2}{N}} & j = 0 \\ 1 & j \neq 0 \end{cases}$
DCT - VIII	$T_i(j) = \sqrt{\frac{4}{2N + 1}} \cdot \cos \left(\frac{\pi \cdot (2i + 1) \cdot (2j + 1)}{4N + 2} \right)$
DST - I	$T_i(j) = \sqrt{\frac{2}{N + 1}} \cdot \sin \left(\frac{\pi \cdot (i + 1) \cdot (j + 1)}{N + 1} \right)$
DST - VII	$T_i(j) = \sqrt{\frac{4}{2N + 1}} \cdot \sin \left(\frac{\pi \cdot (2i + 1) \cdot (j + 1)}{2N + 1} \right)$

FIG. 4A

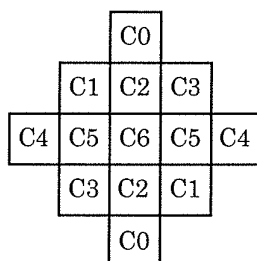


FIG. 4B

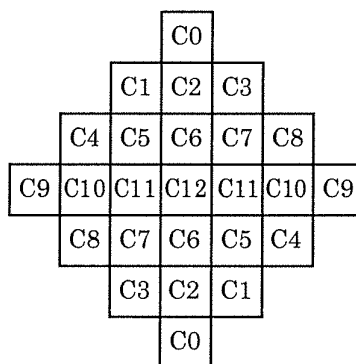


FIG. 4C

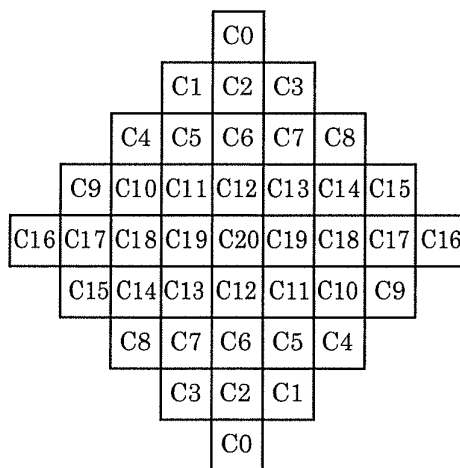


FIG. 5A

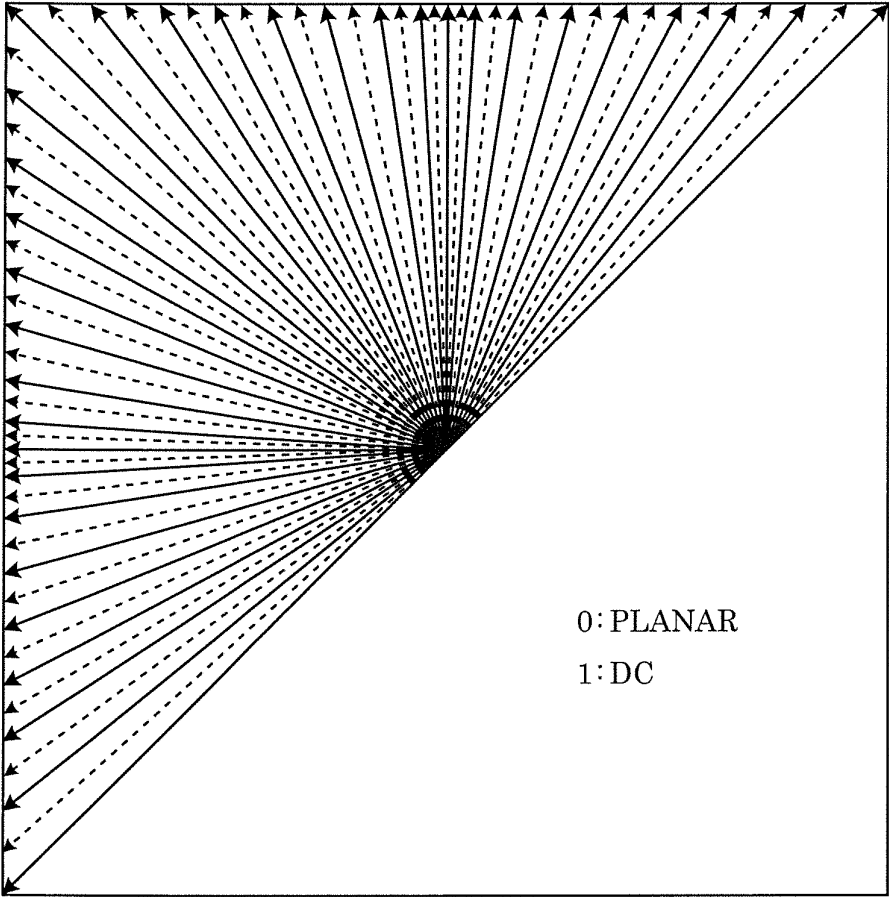


FIG. 5B

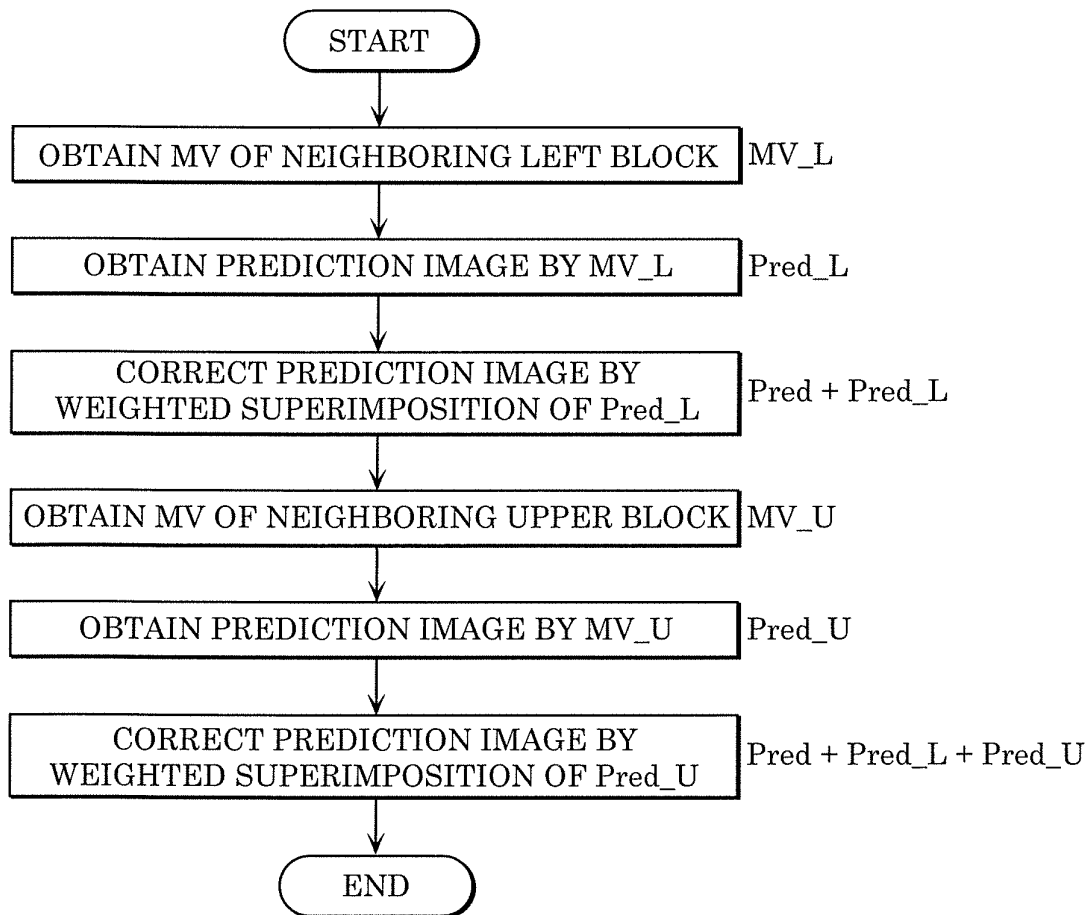


FIG. 5C

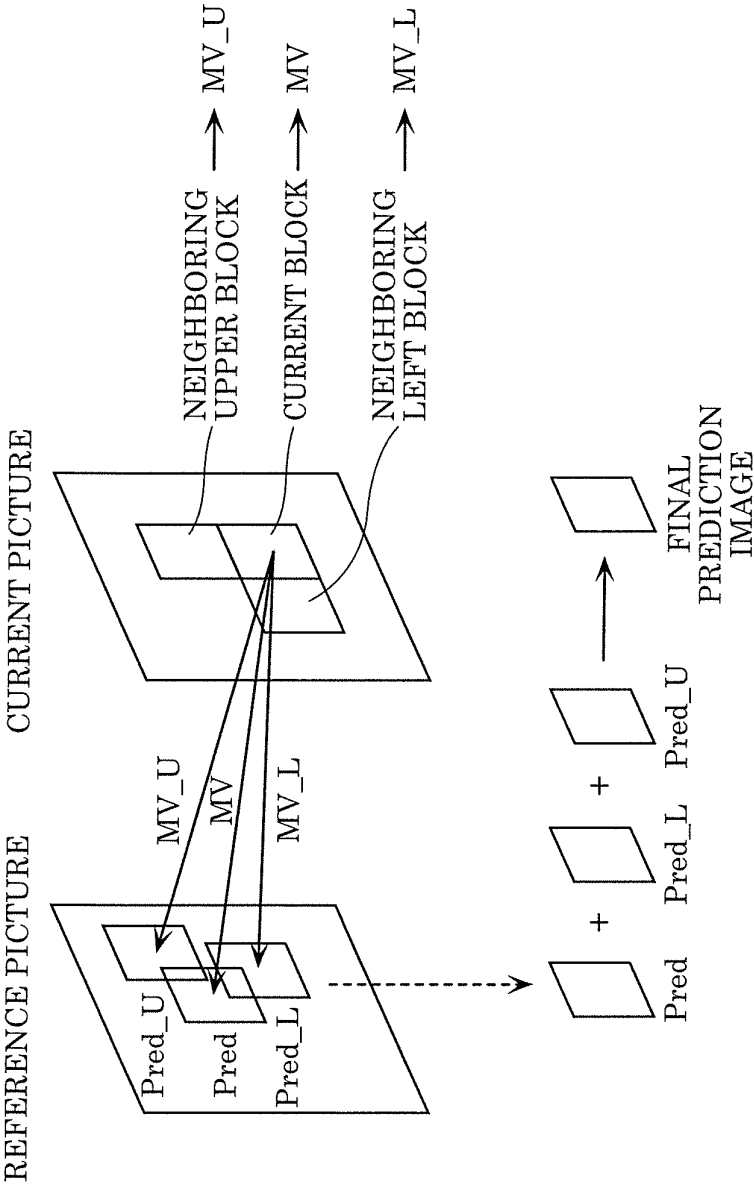


FIG. 5D

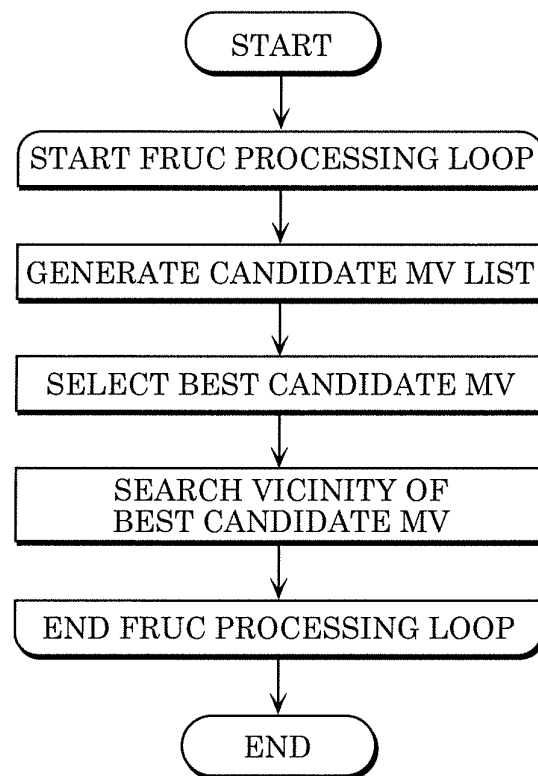


FIG. 6

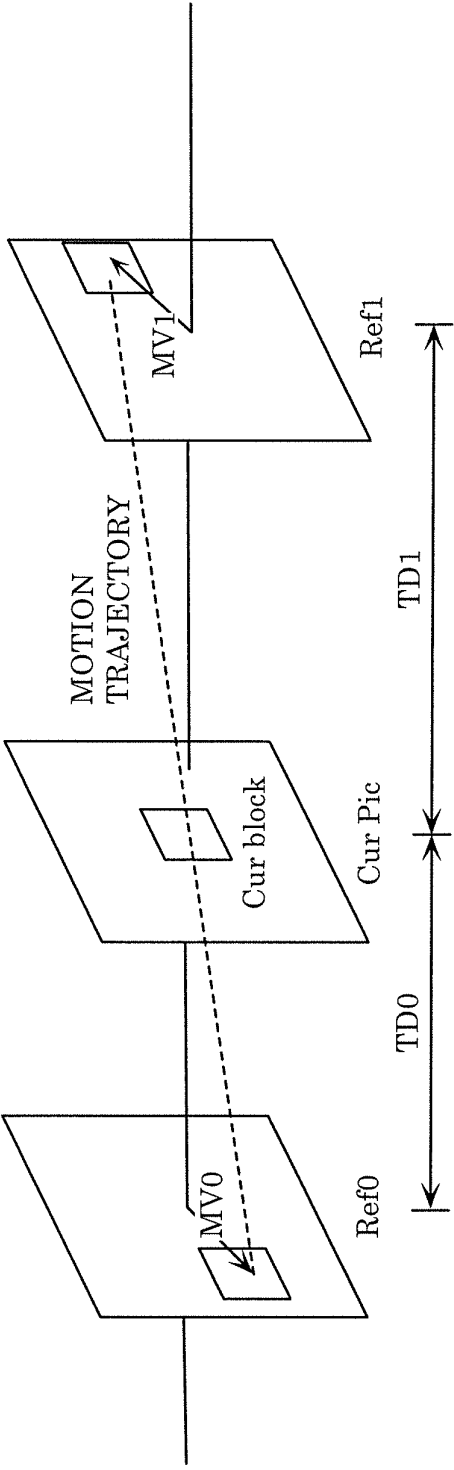


FIG. 7

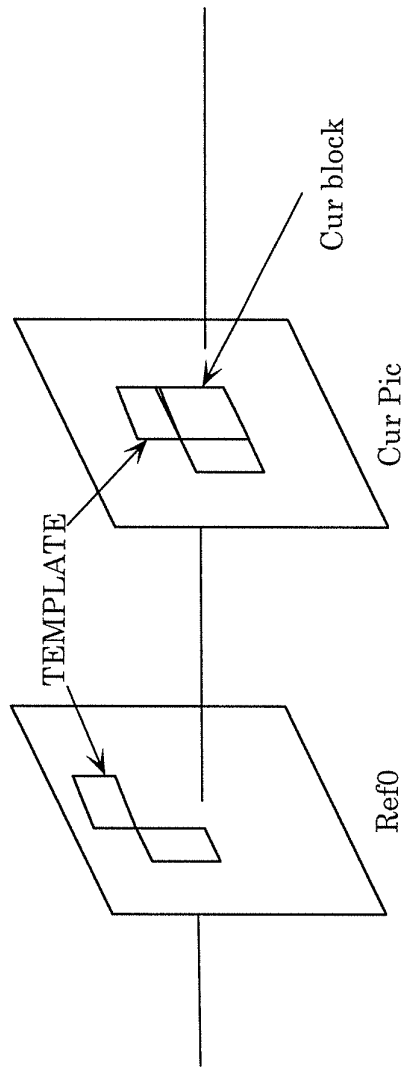


FIG. 8

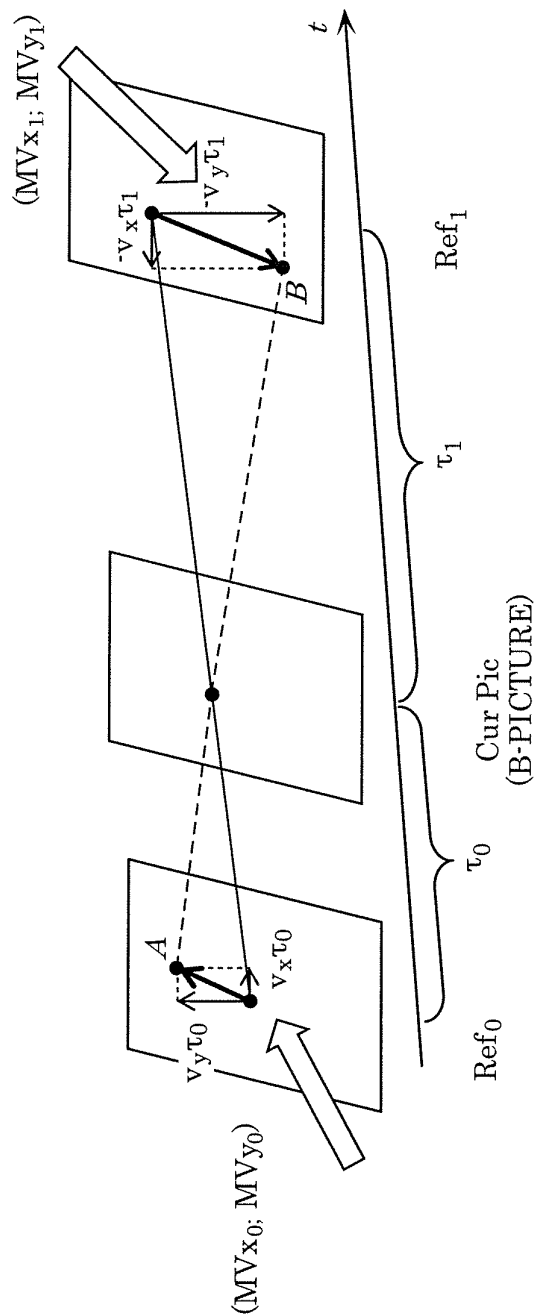


FIG. 9A

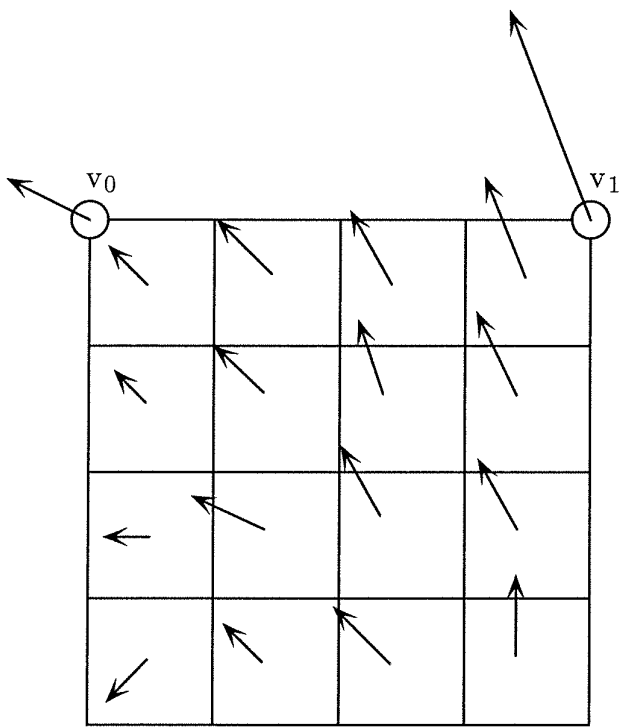


FIG. 9B

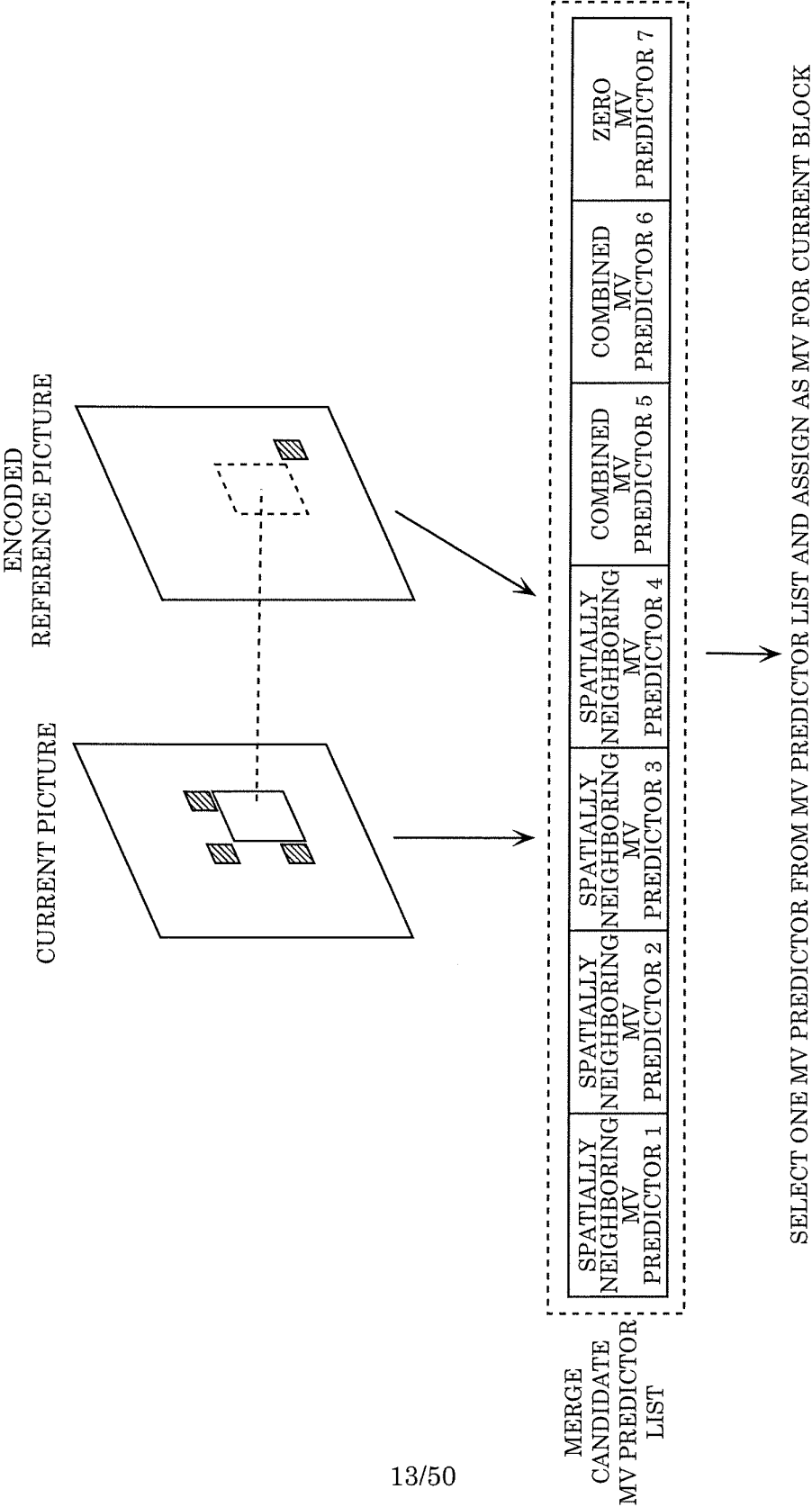


FIG. 9C

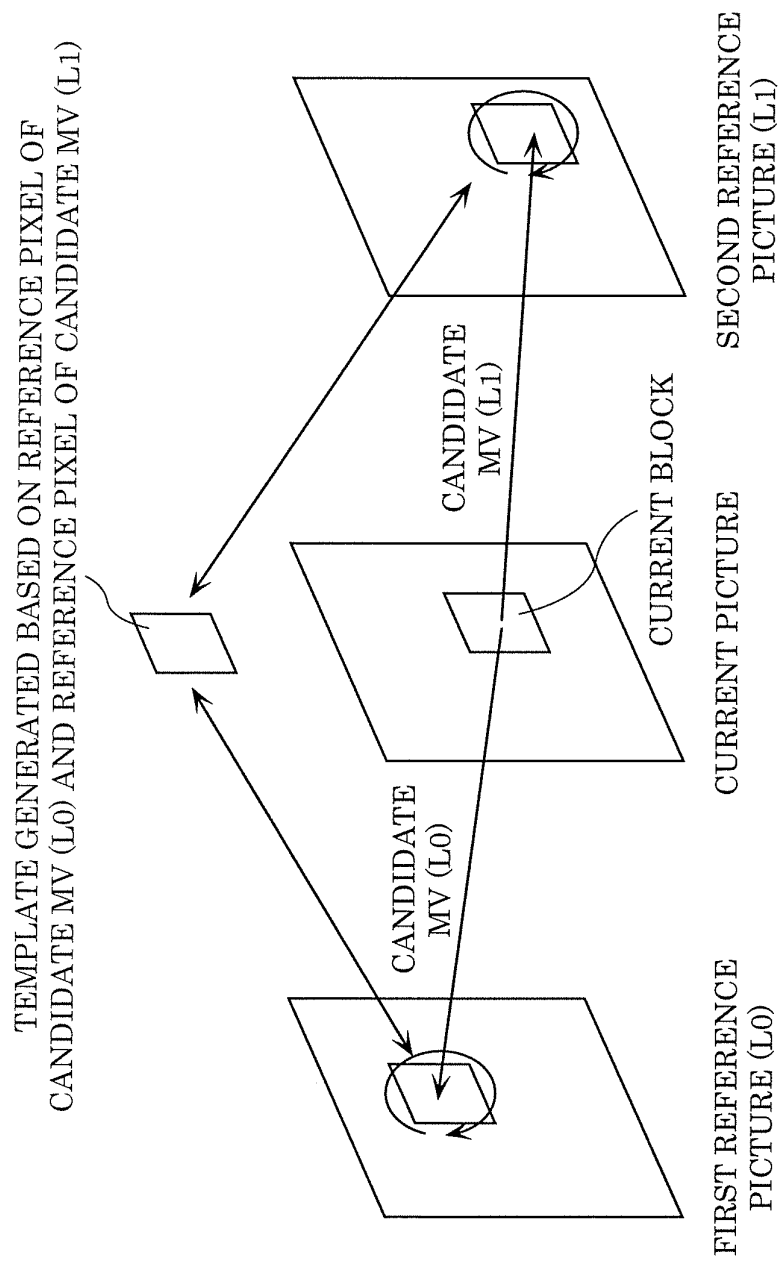


FIG. 9D

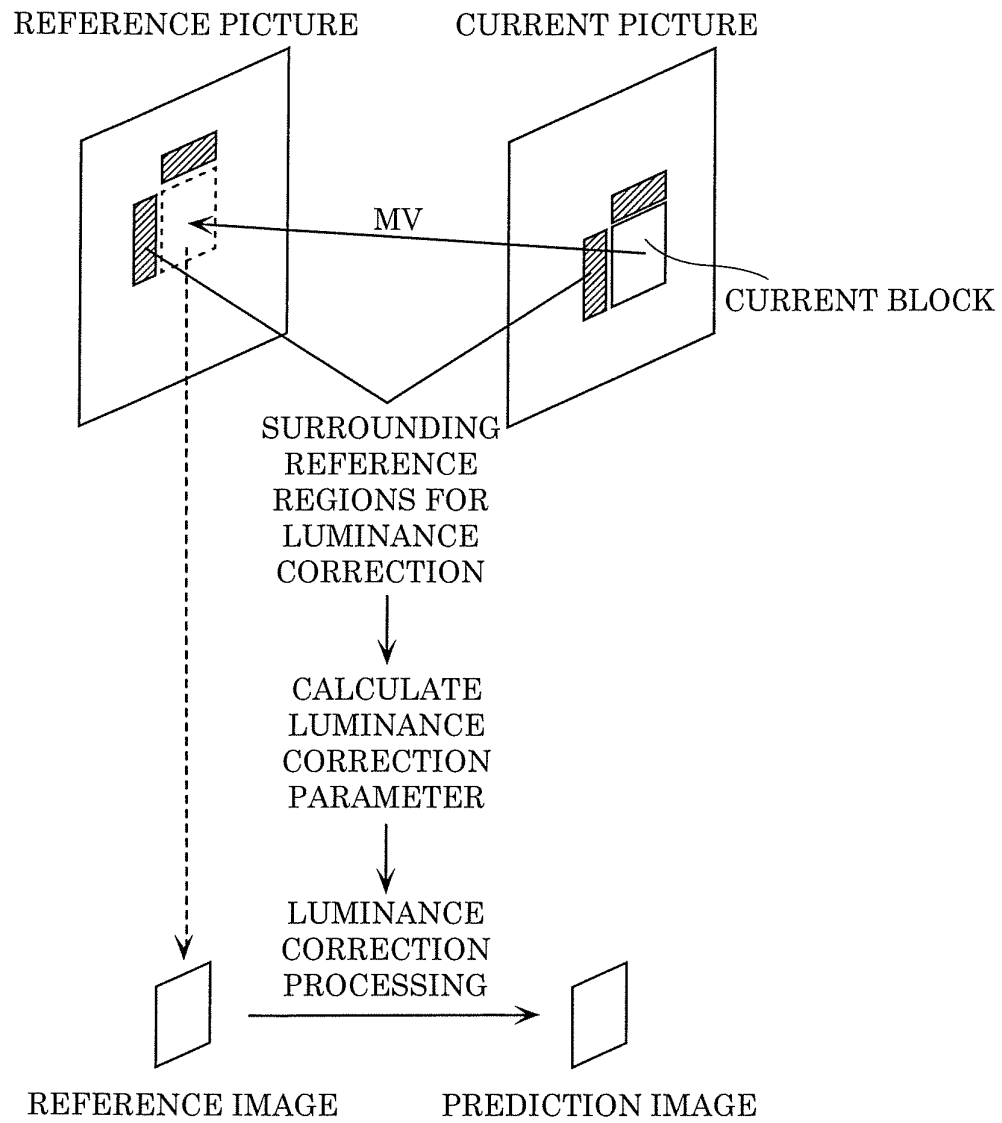


FIG. 10

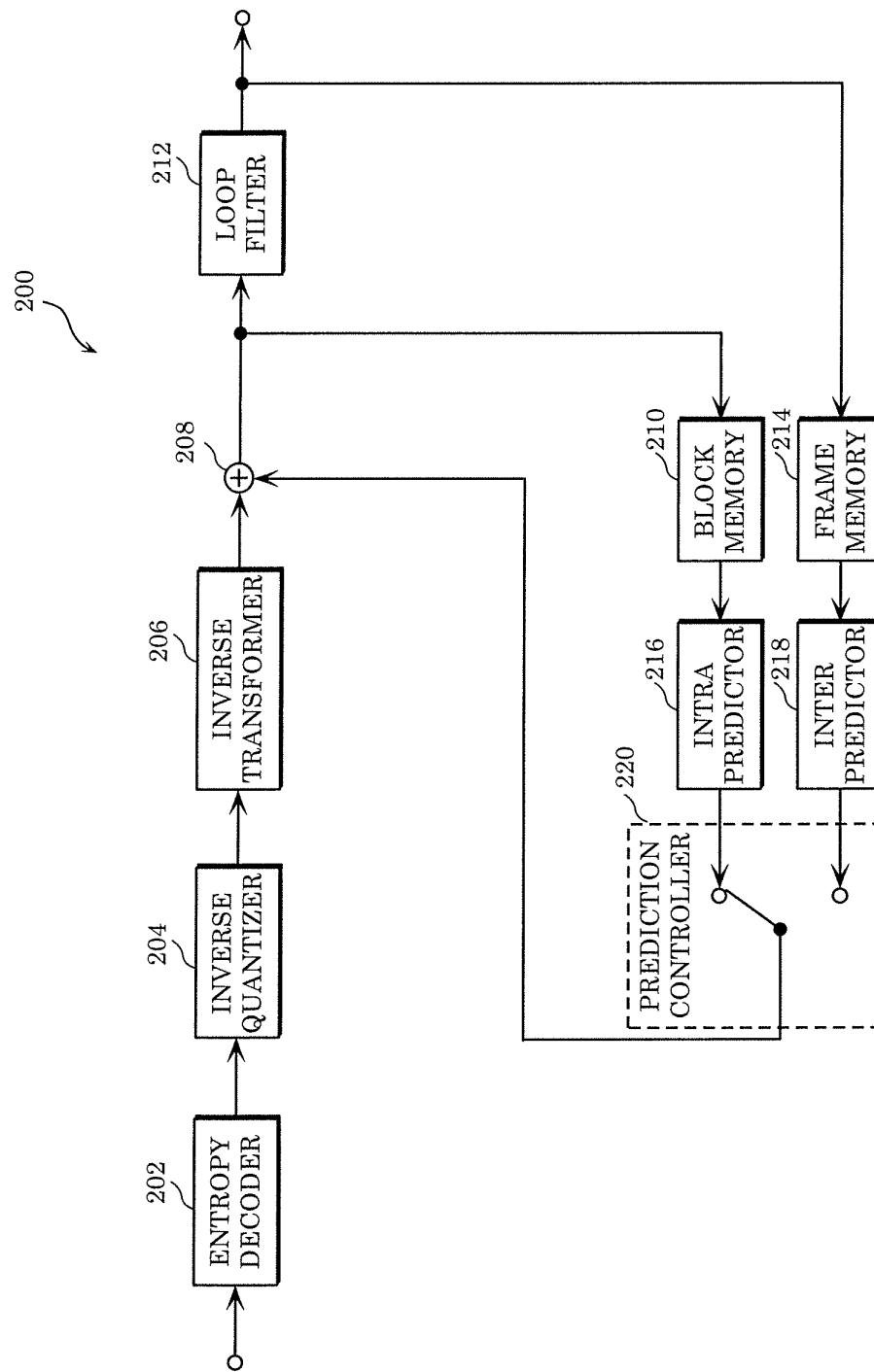


FIG. 11

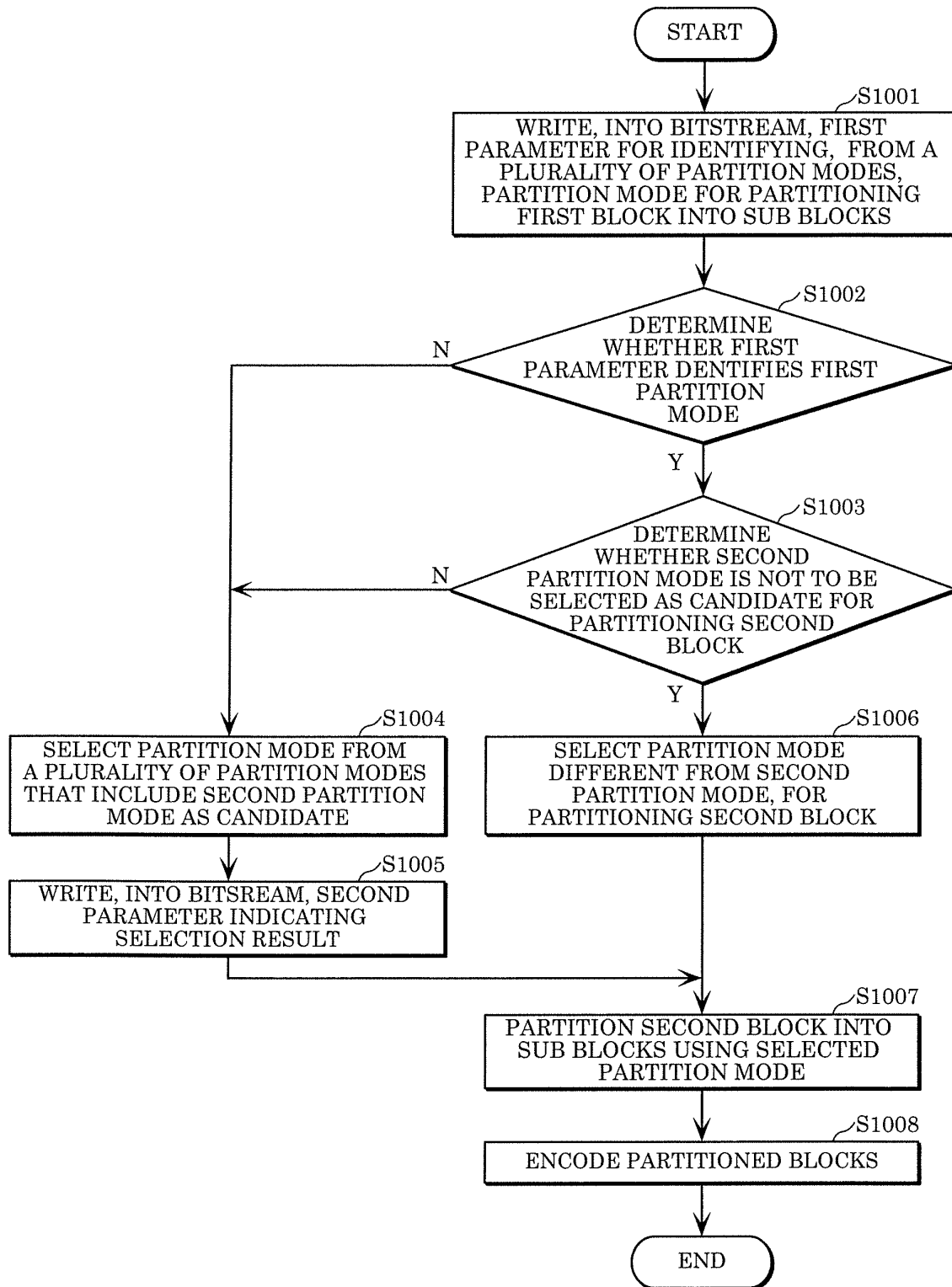


FIG. 12

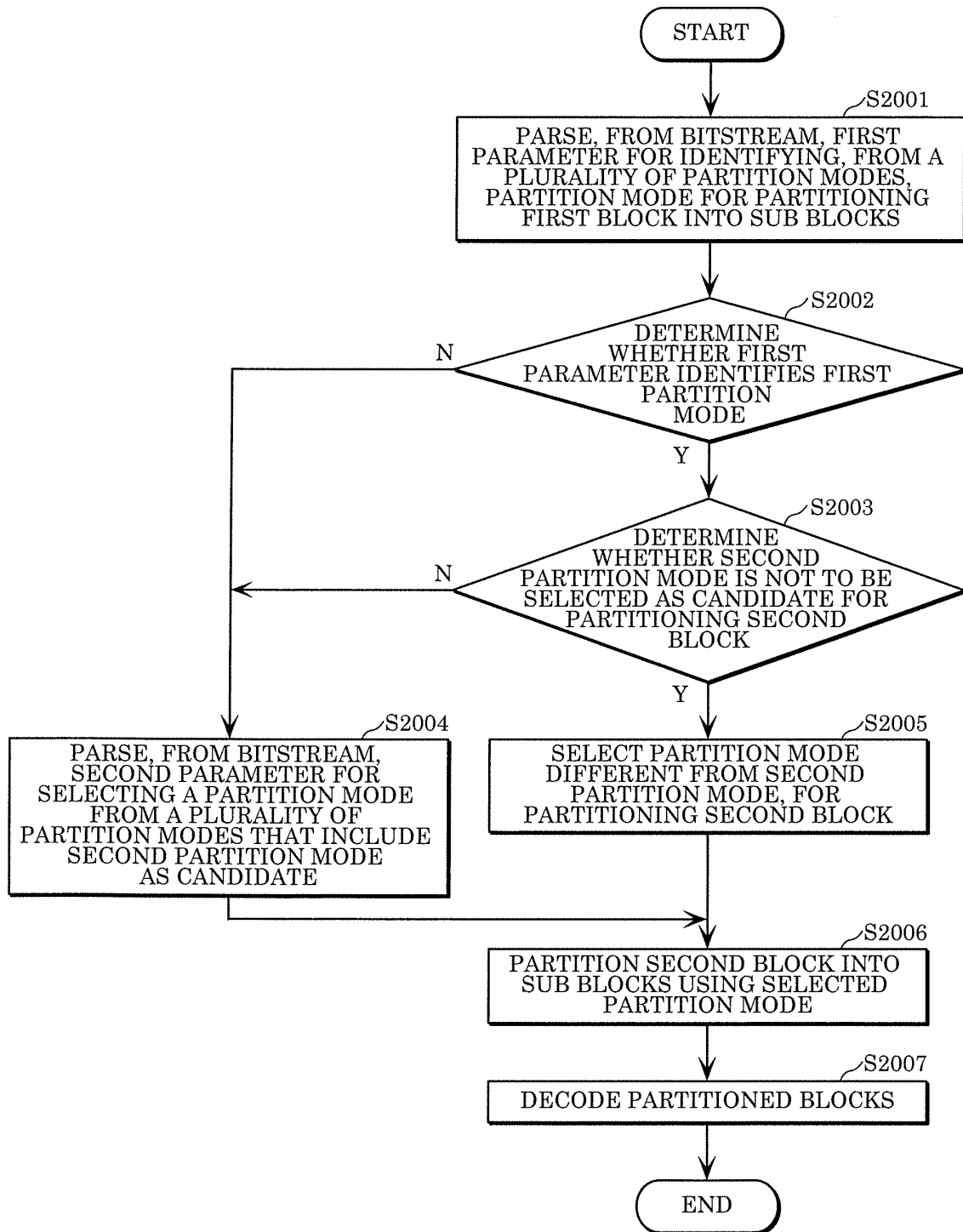


FIG. 13

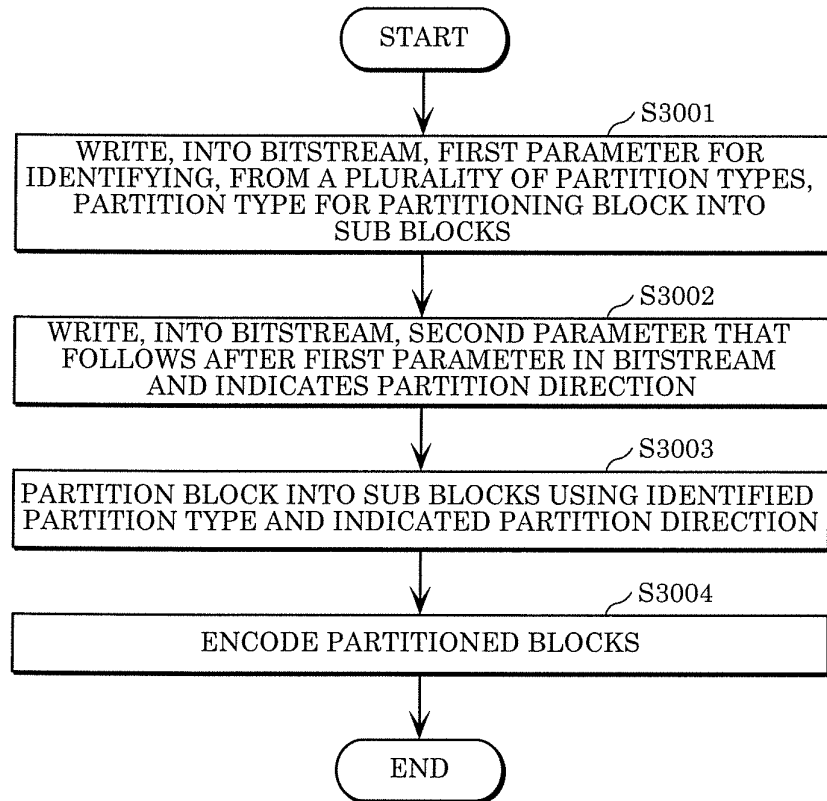


FIG. 14

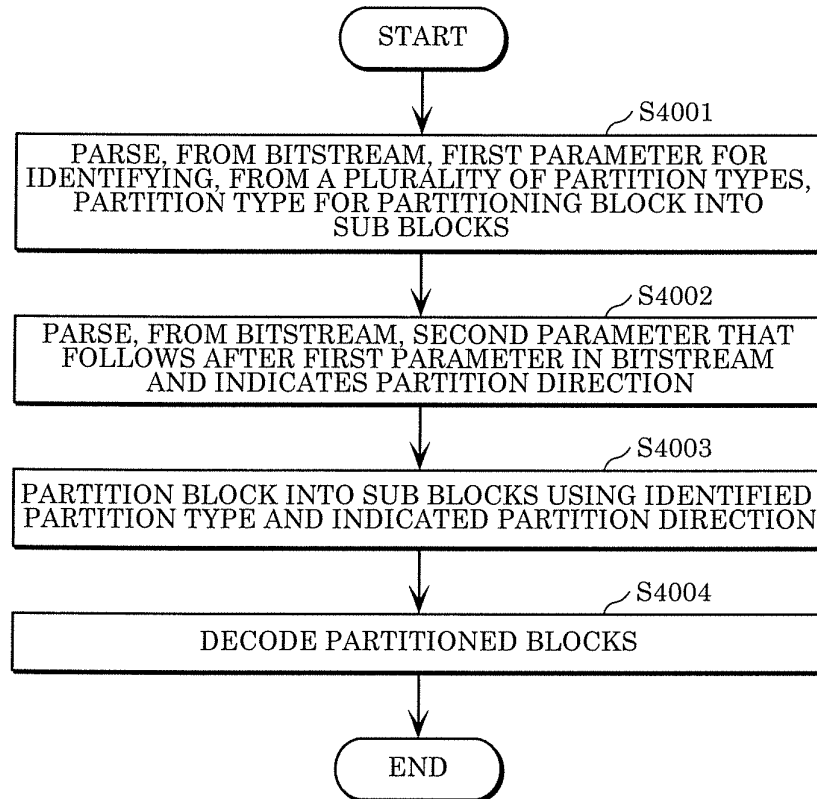


FIG. 15

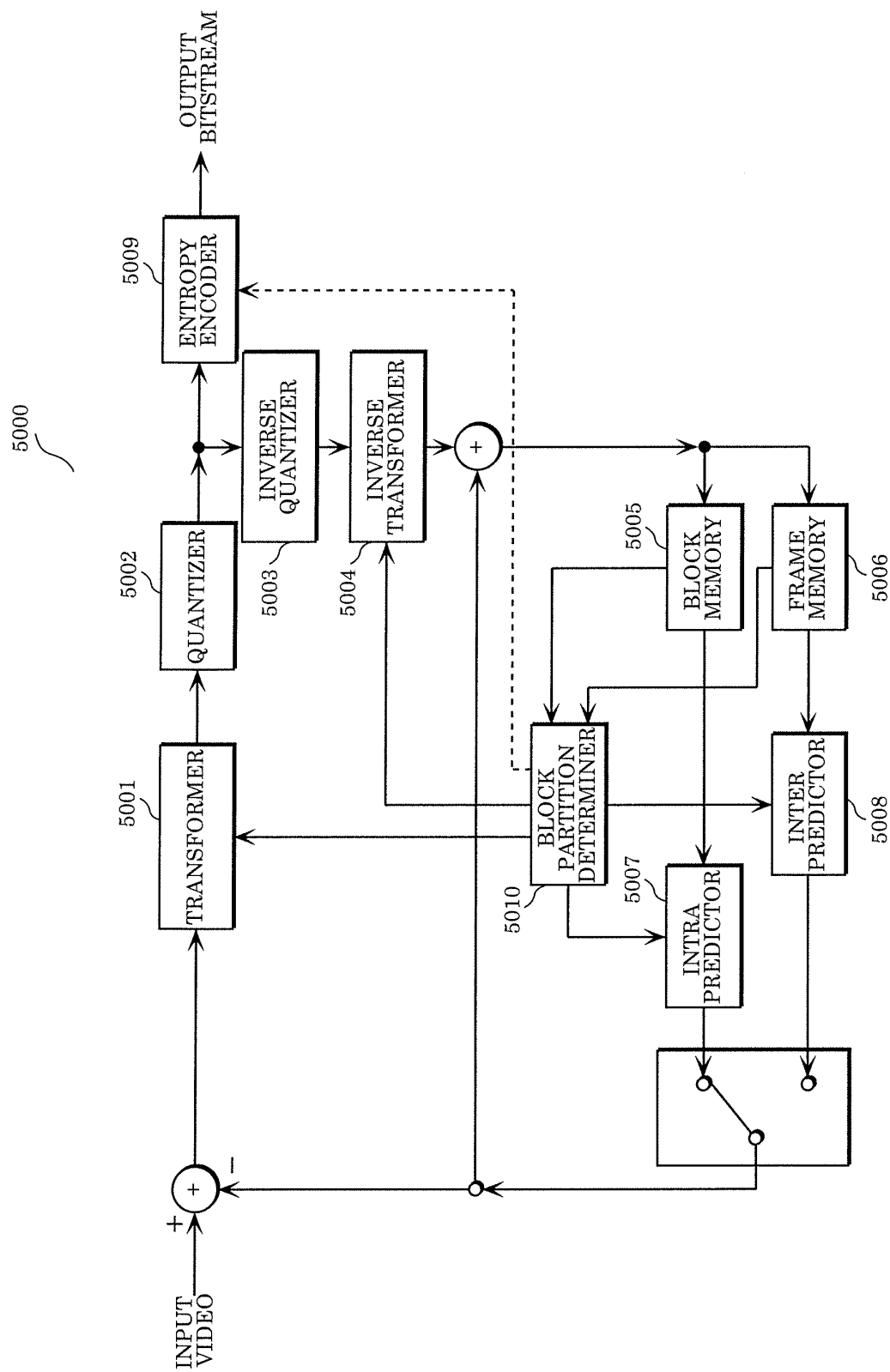


FIG. 16

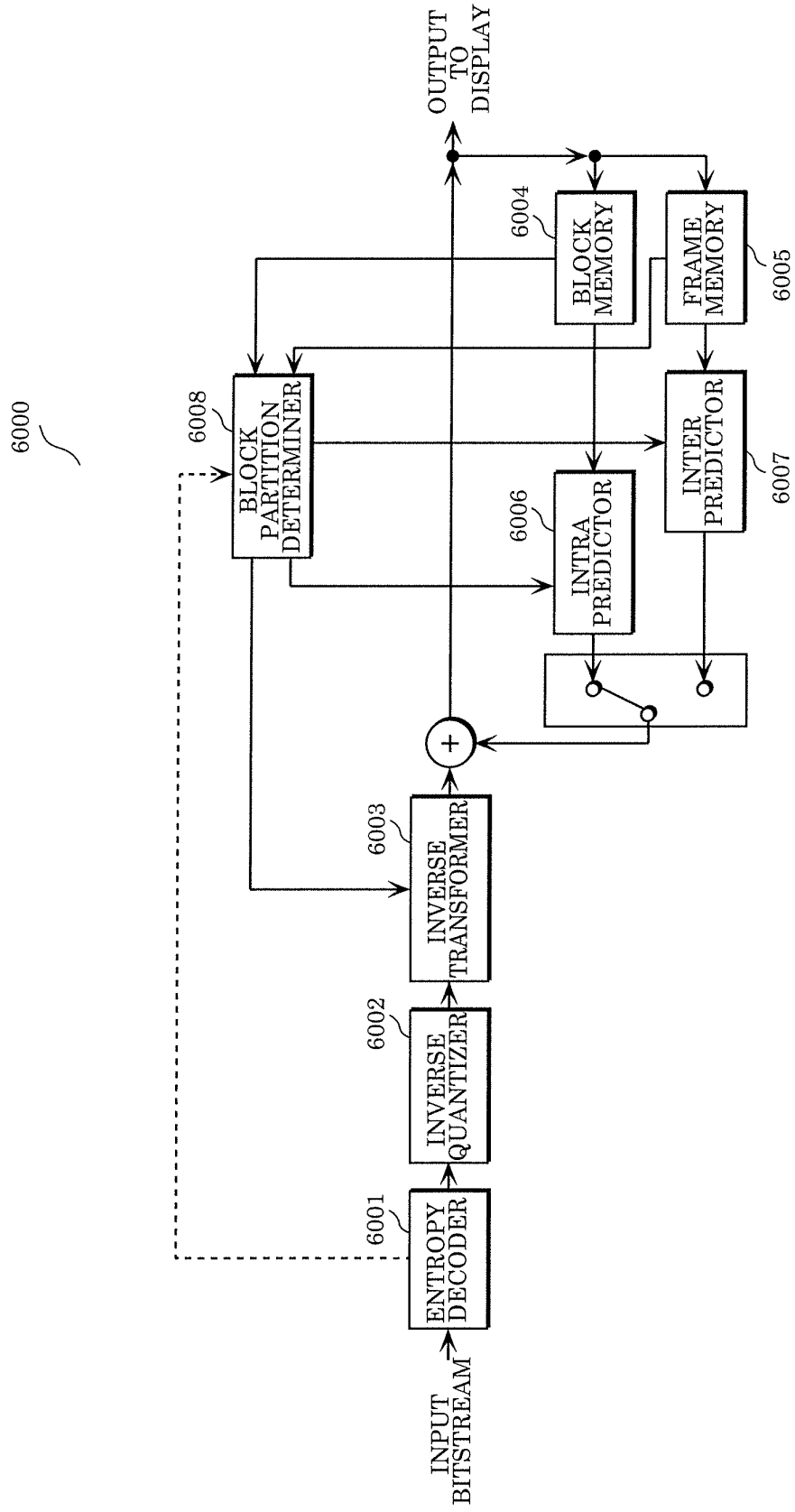


FIG. 17

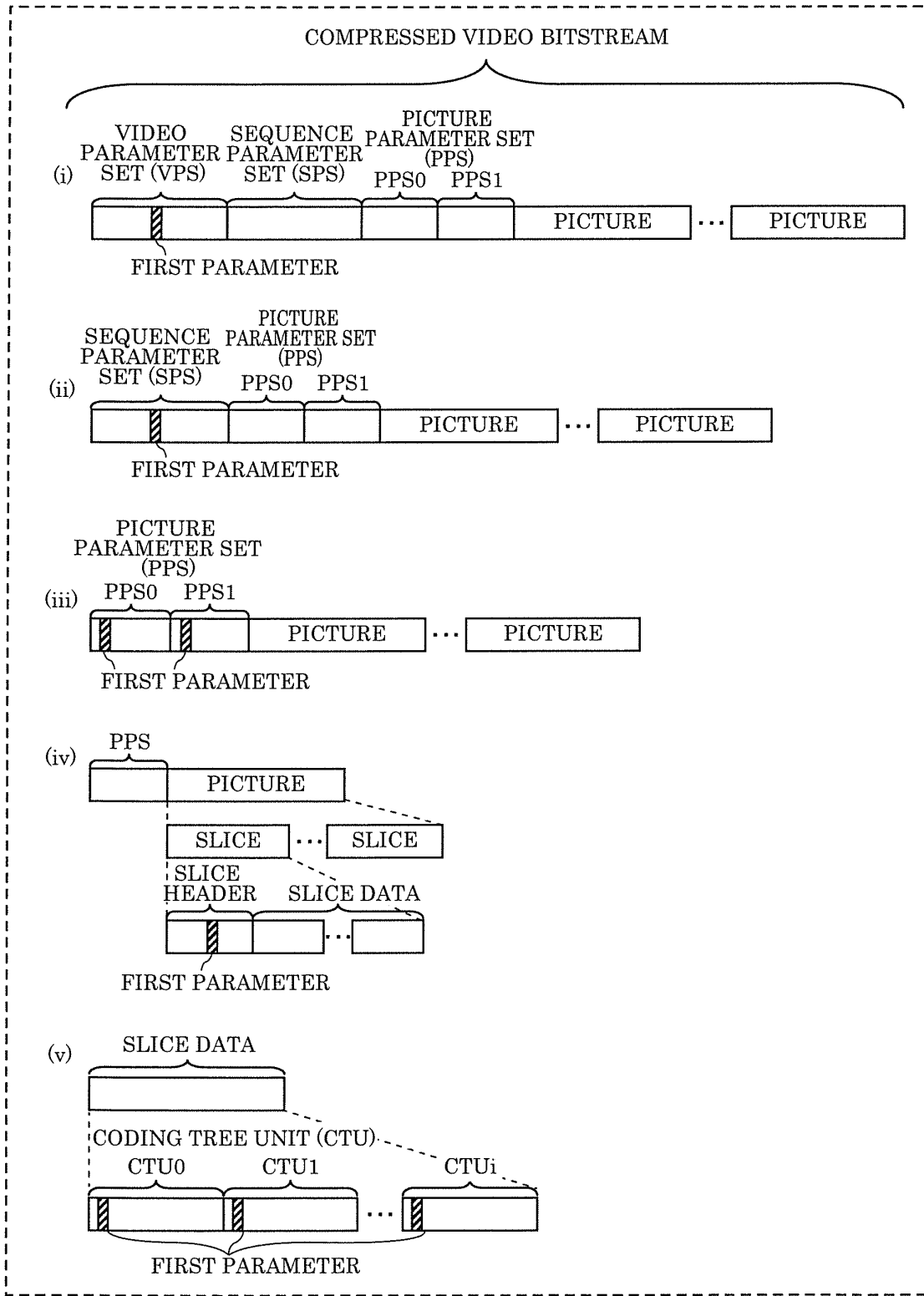


FIG. 18

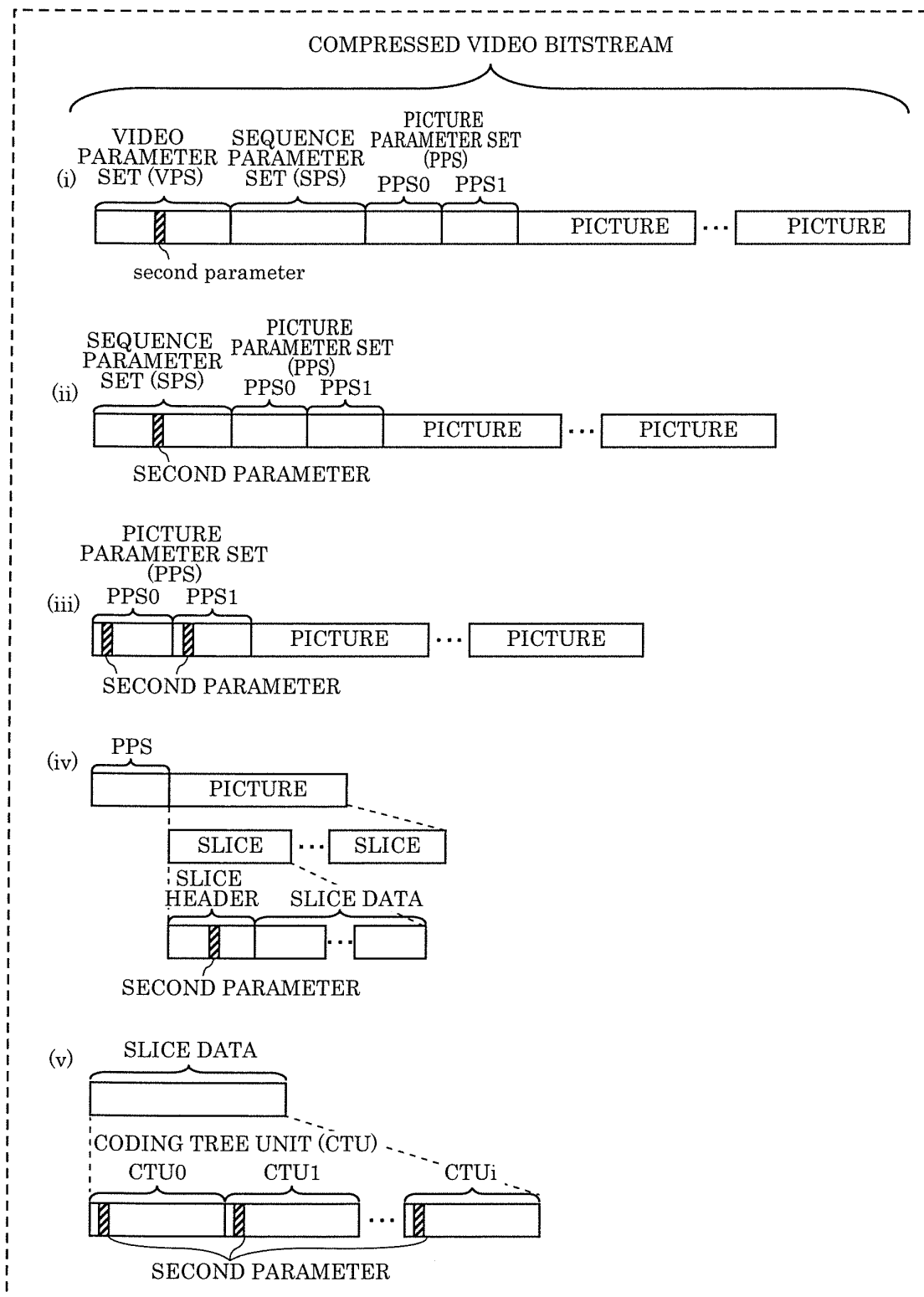


FIG. 19

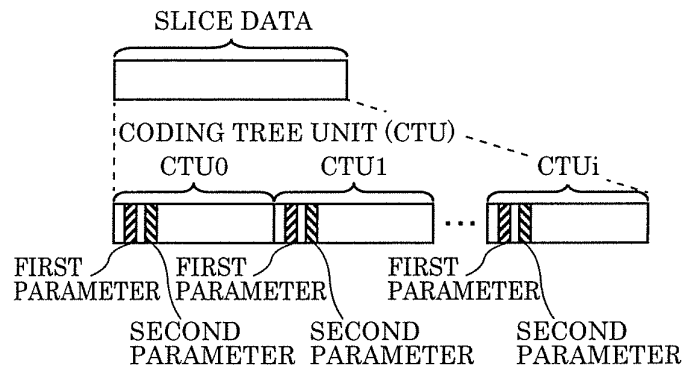


FIG. 20

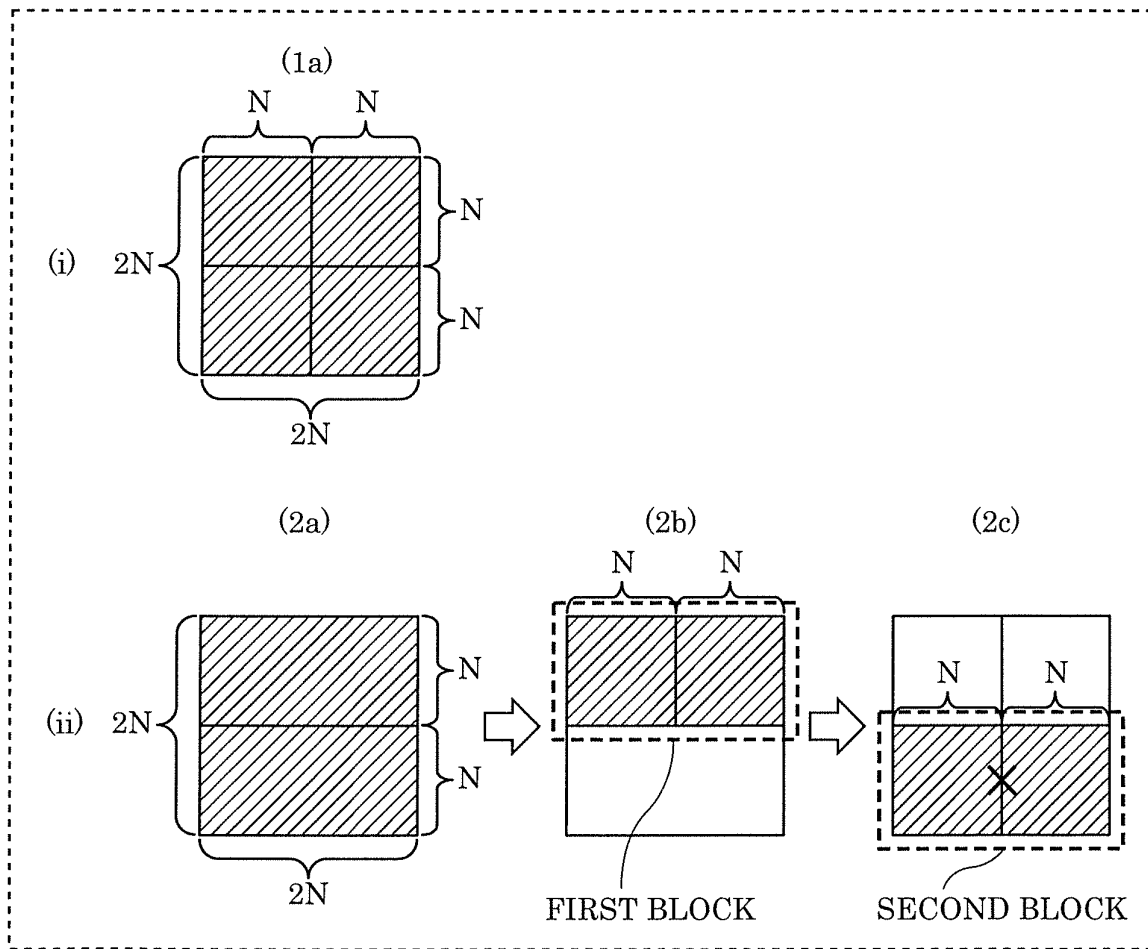


FIG. 21

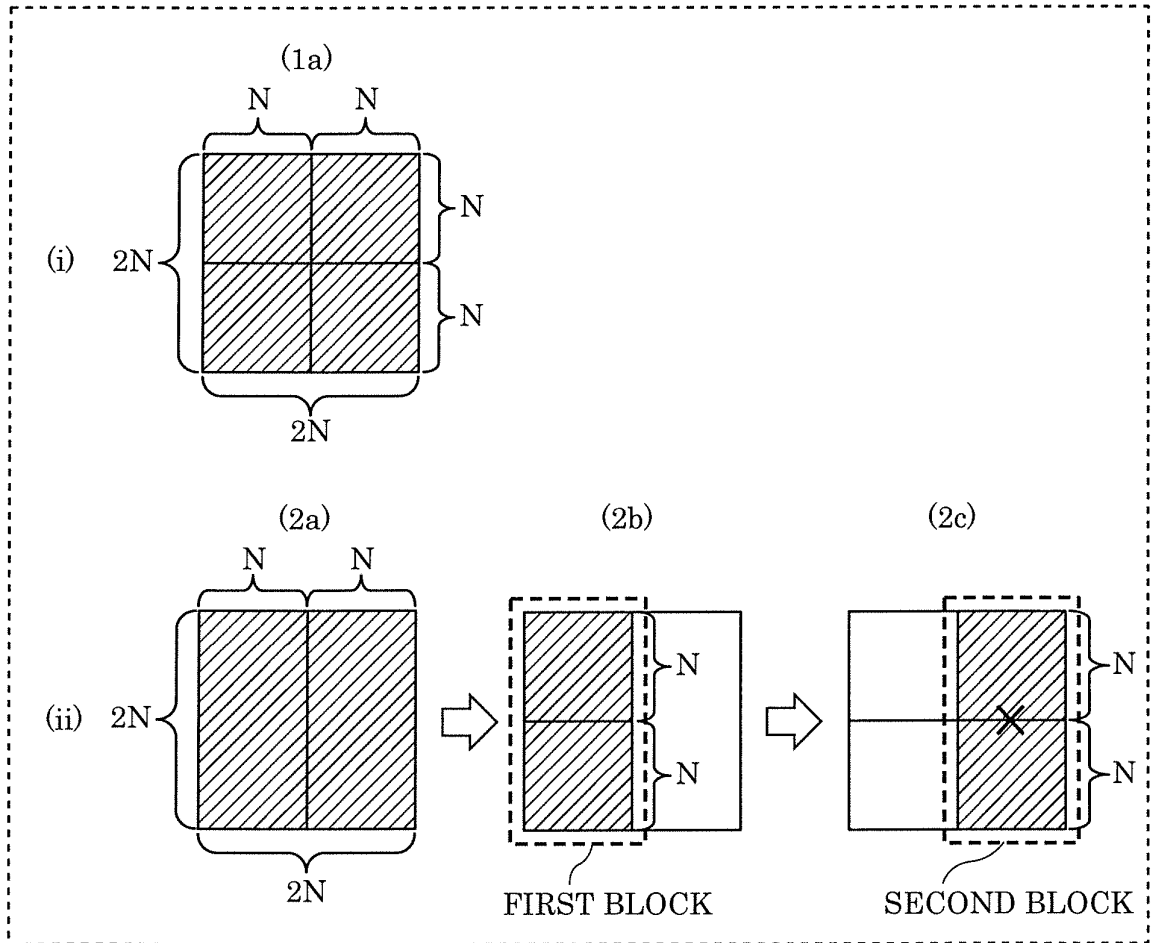


FIG. 22

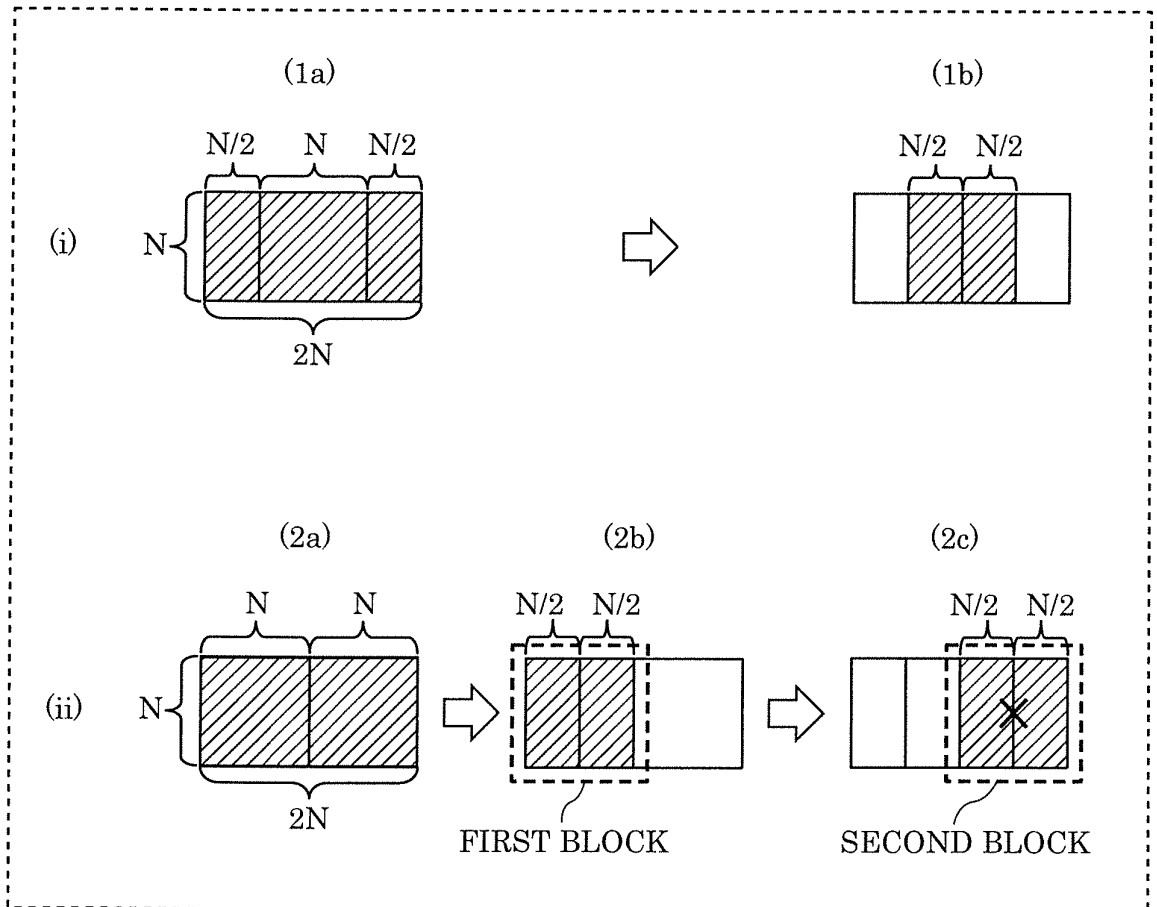


FIG. 23

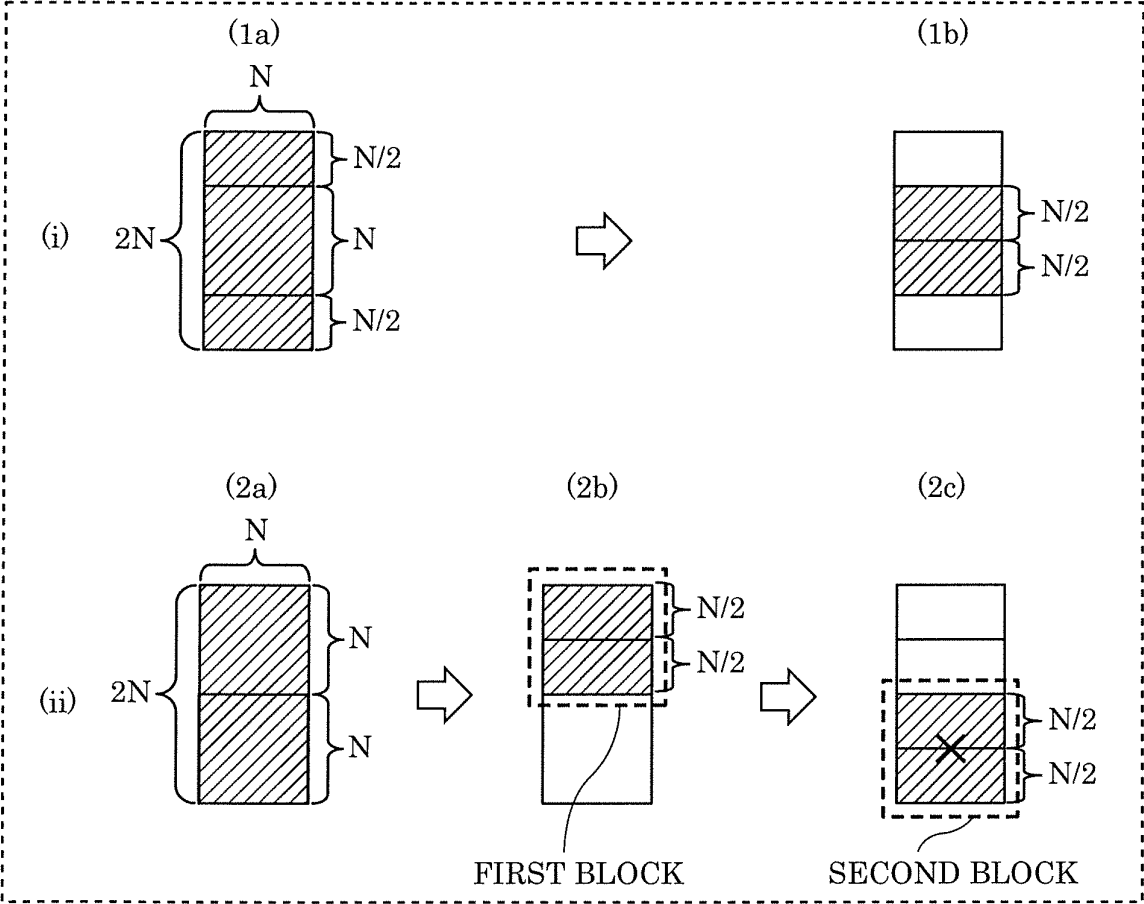


FIG. 24

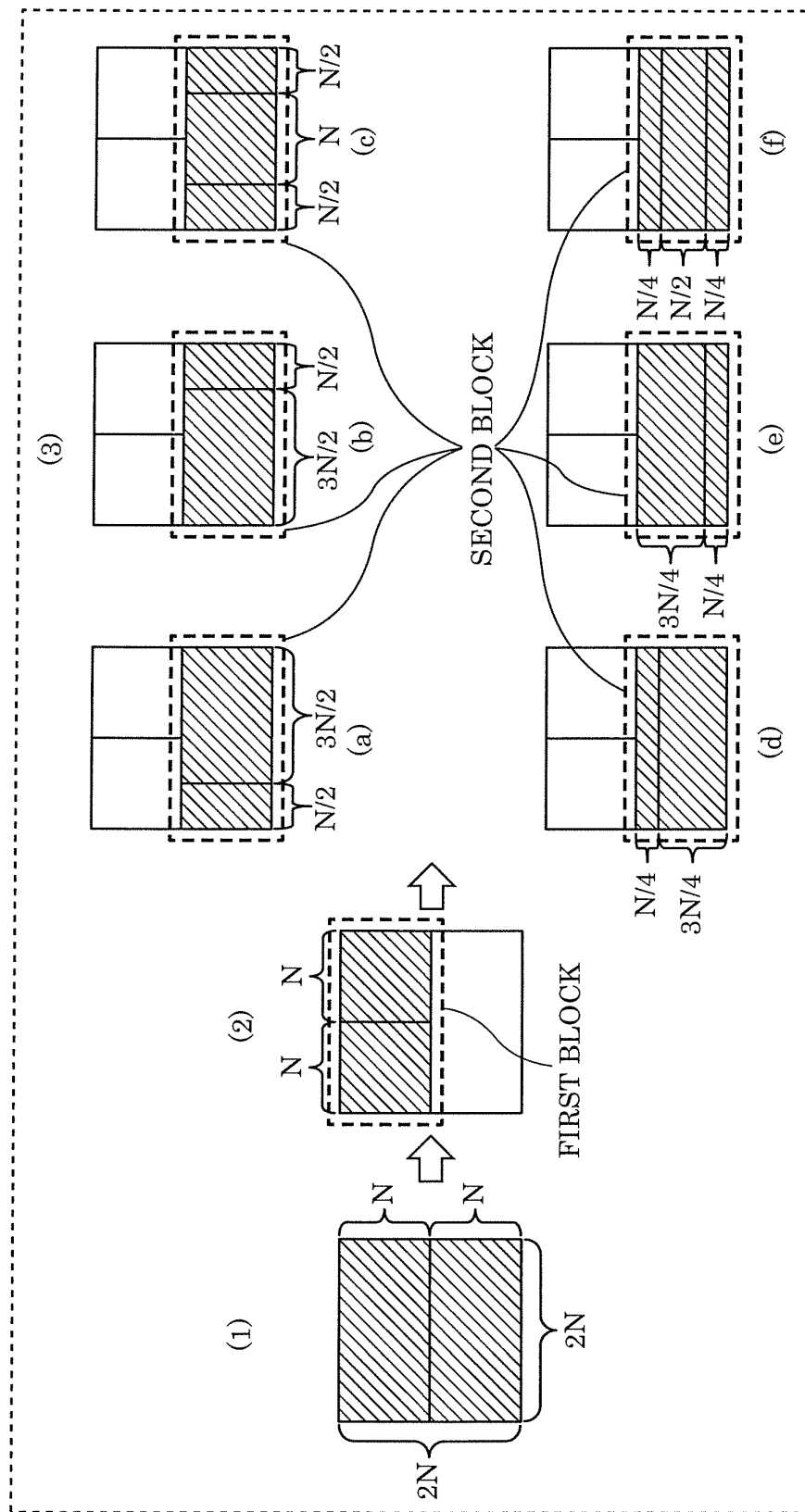


FIG. 25

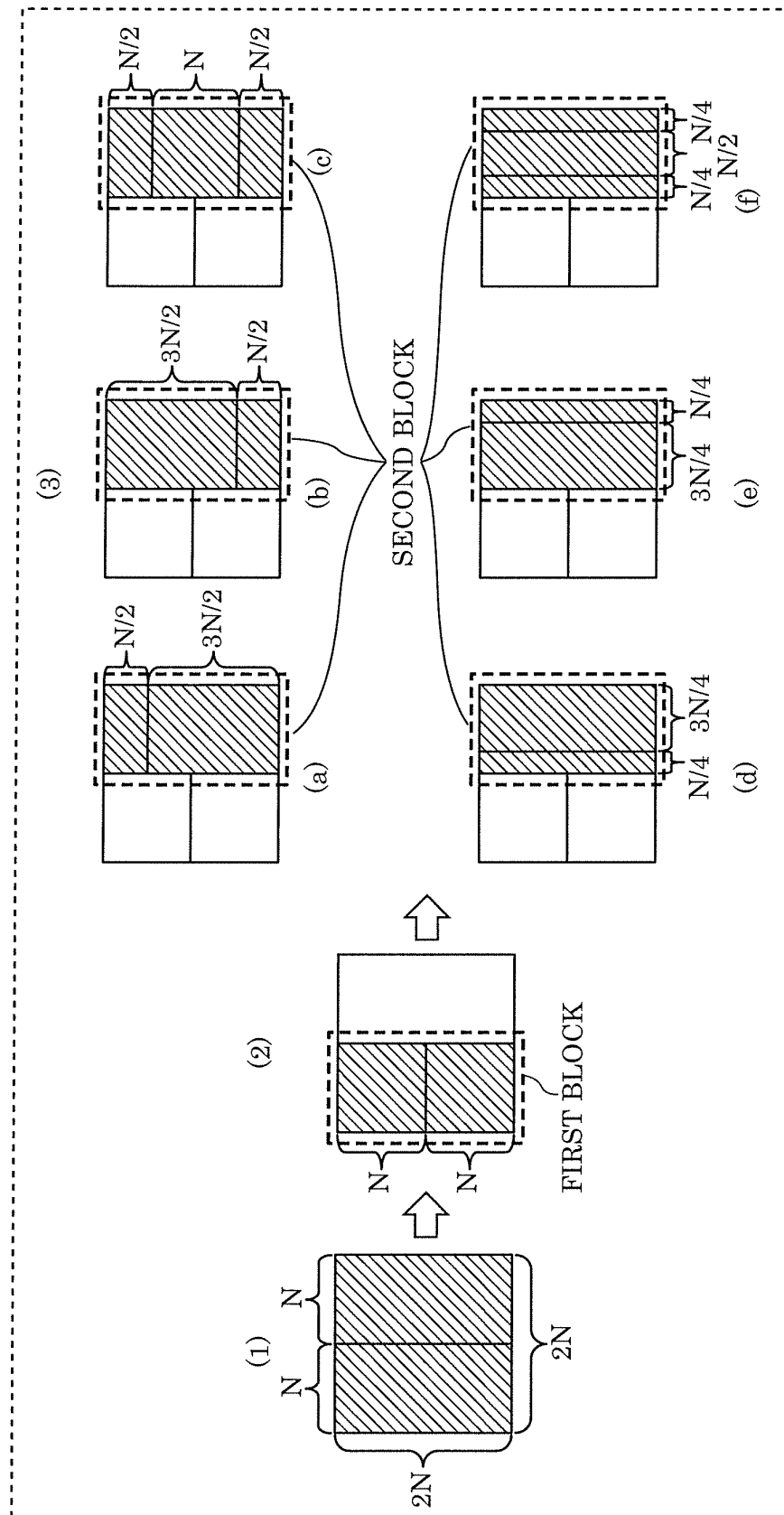


FIG. 26

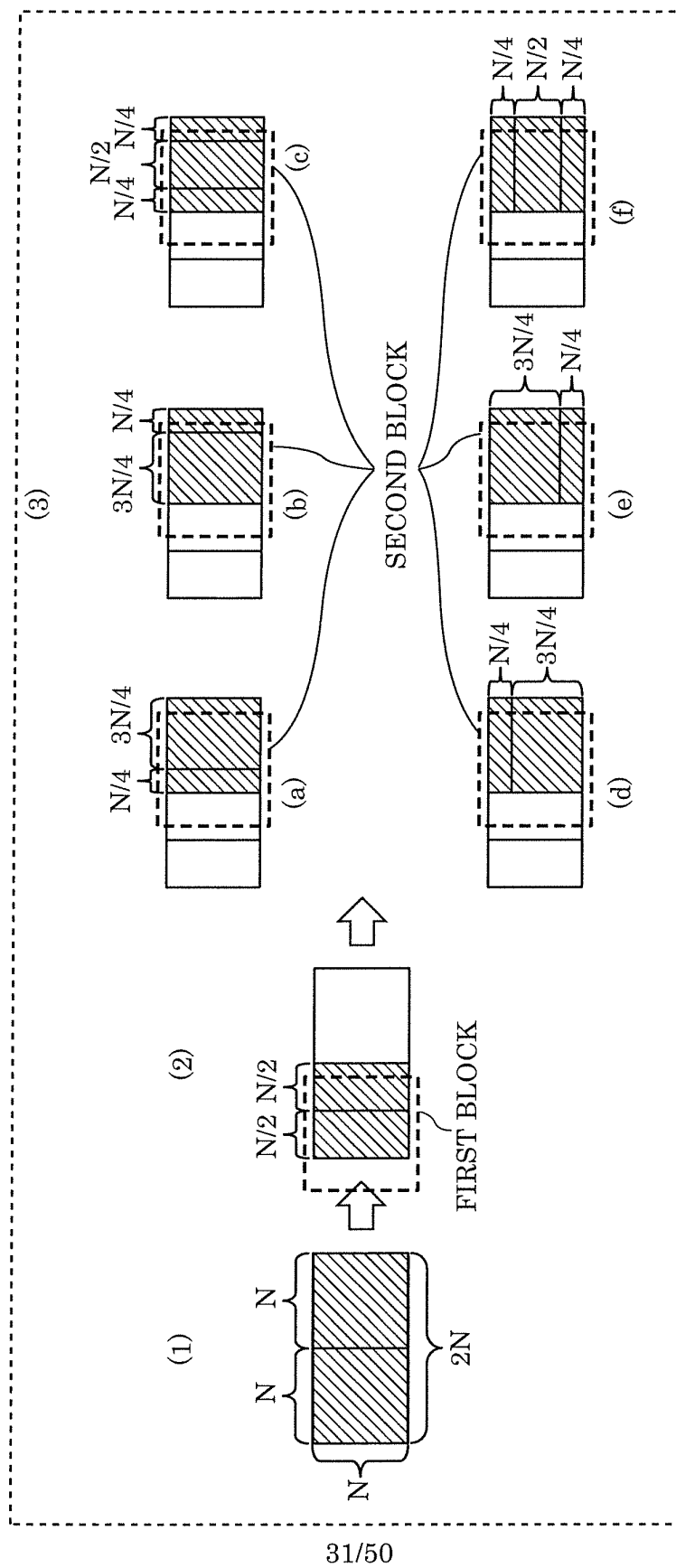


FIG. 27

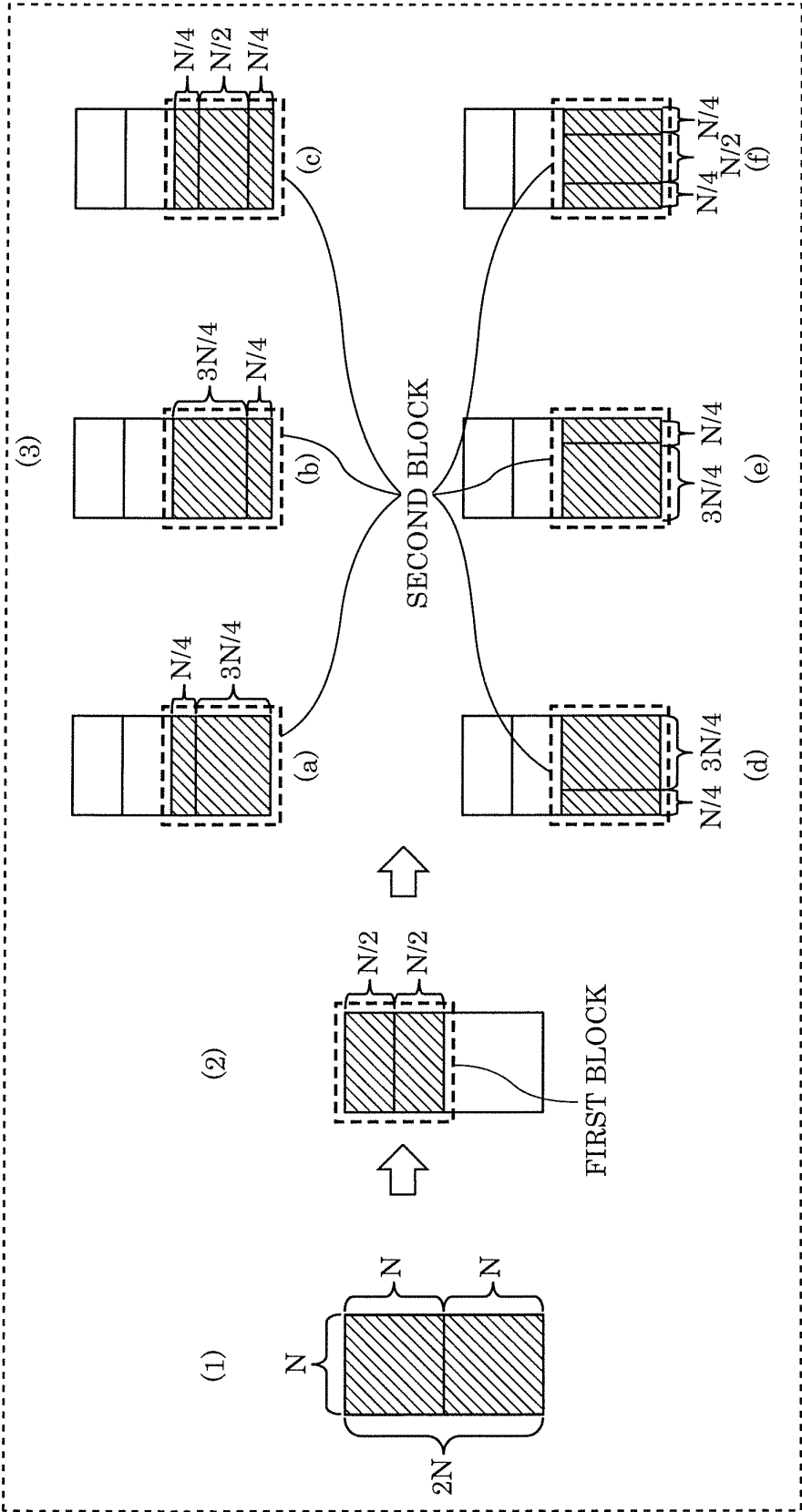


FIG. 28

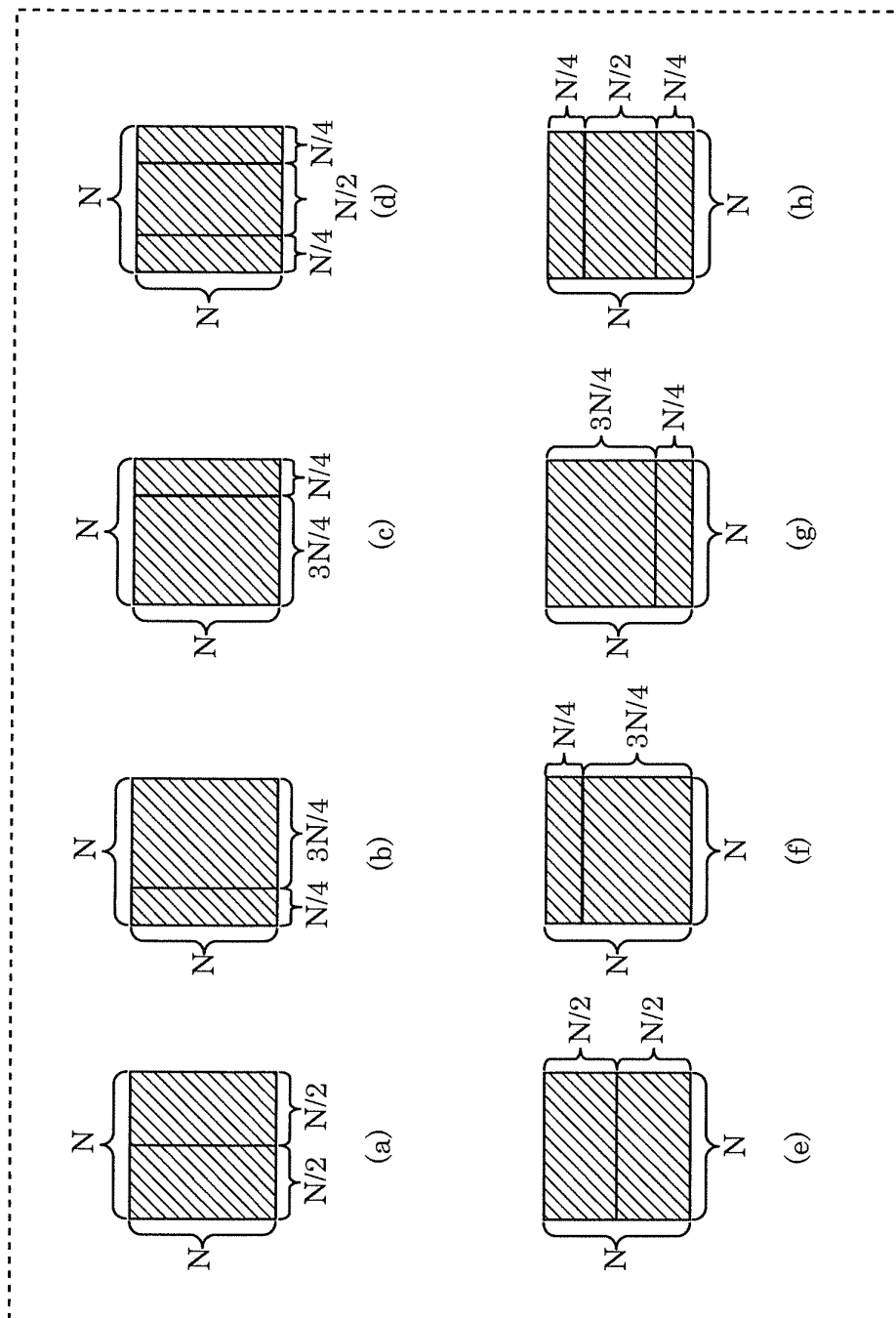


FIG. 29

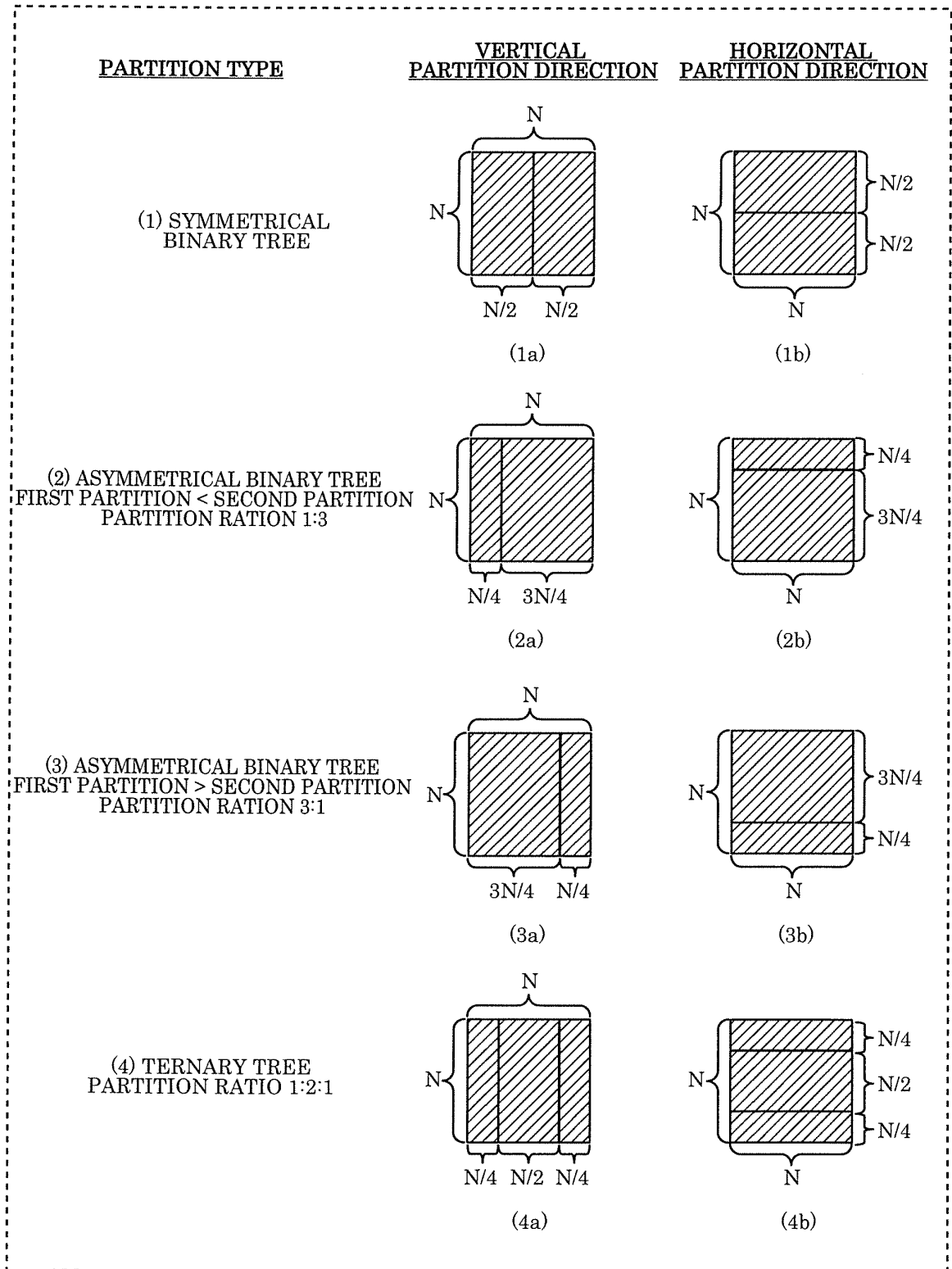


FIG. 30

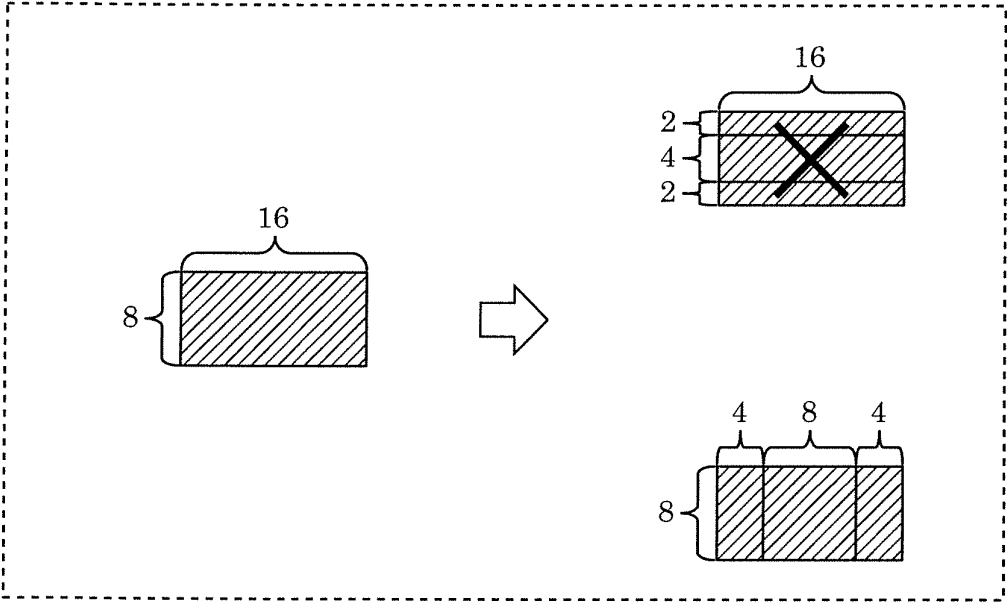


FIG. 31A

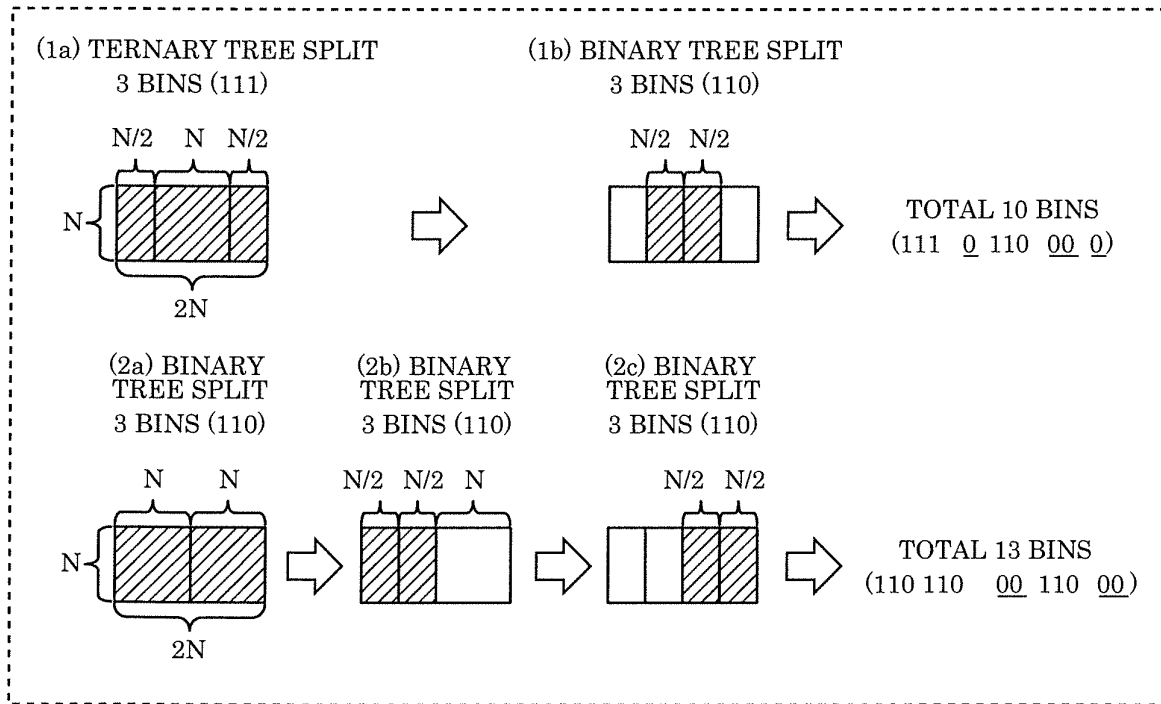


FIG. 31B

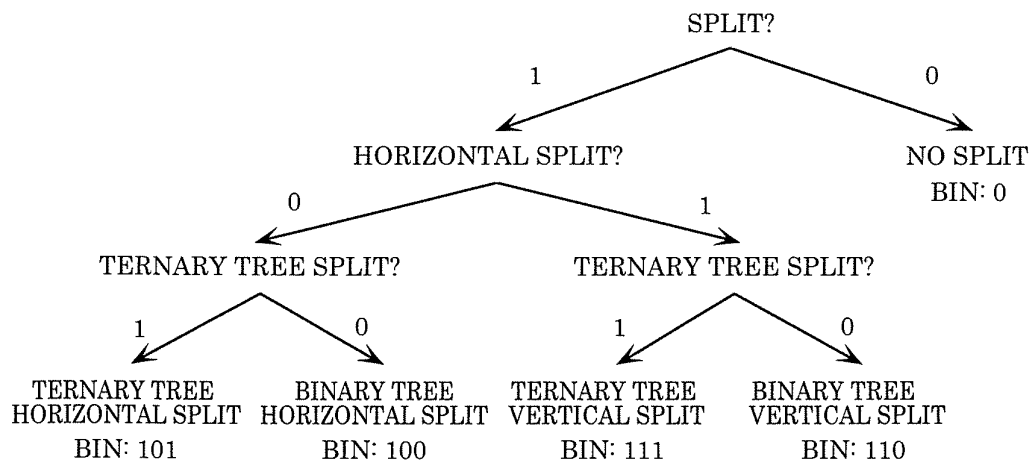


FIG. 32A

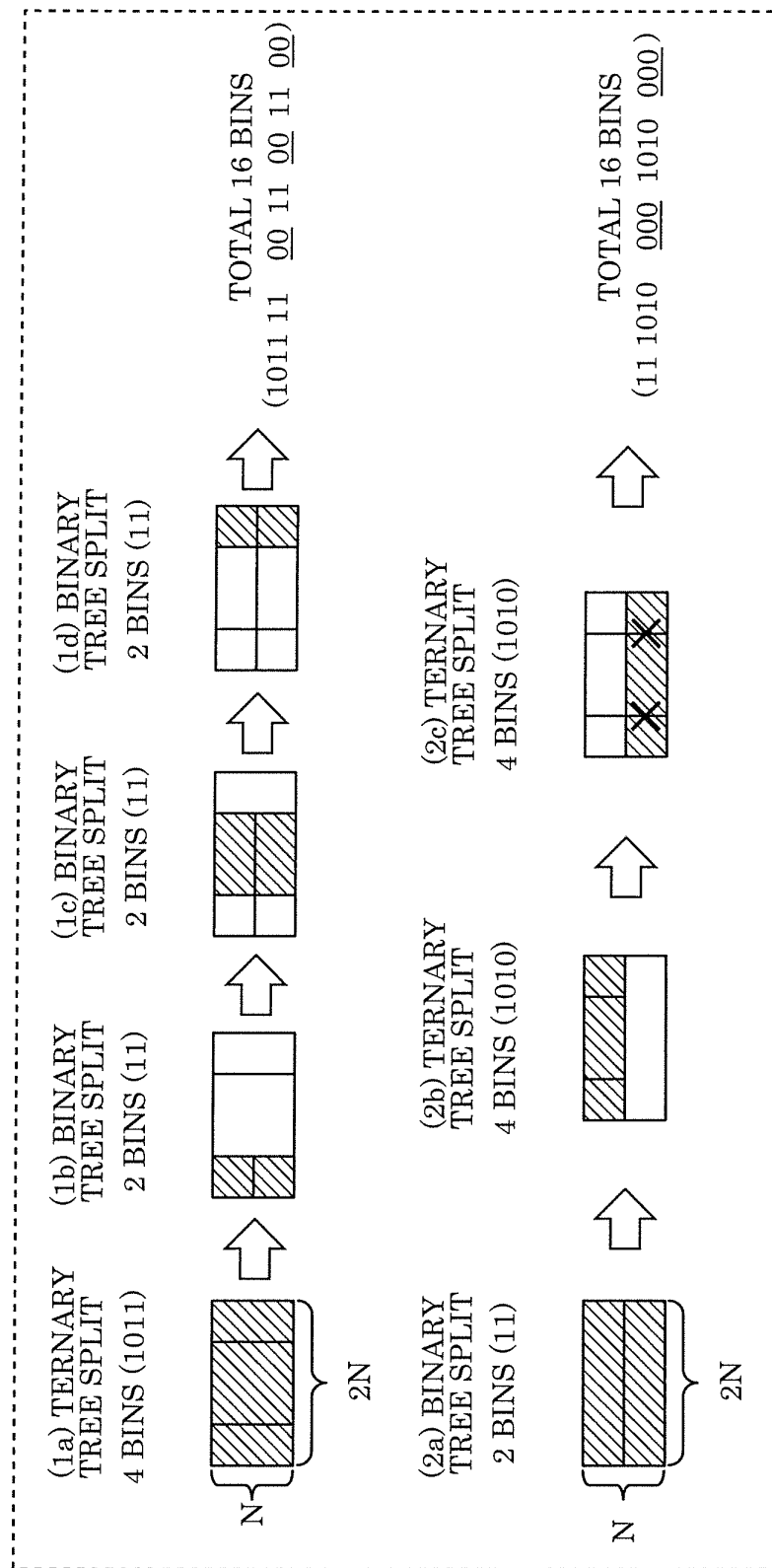


FIG. 32B

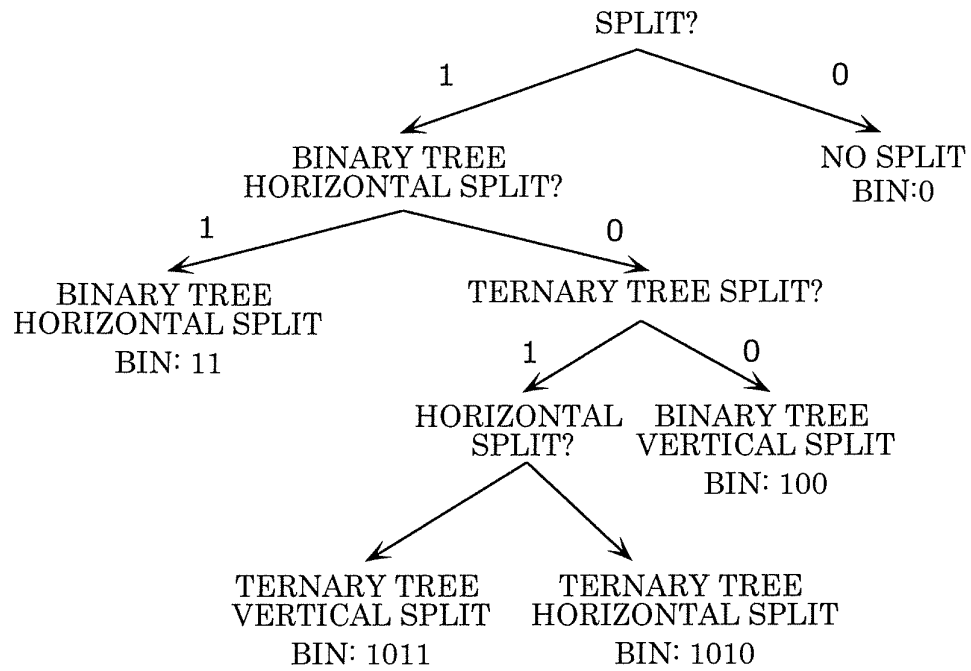


FIG. 32C

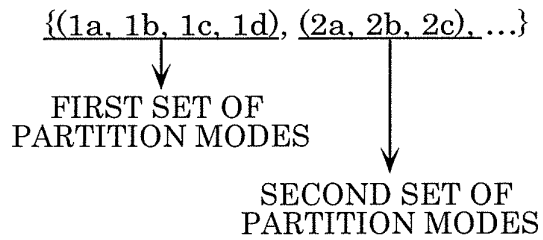


FIG. 33

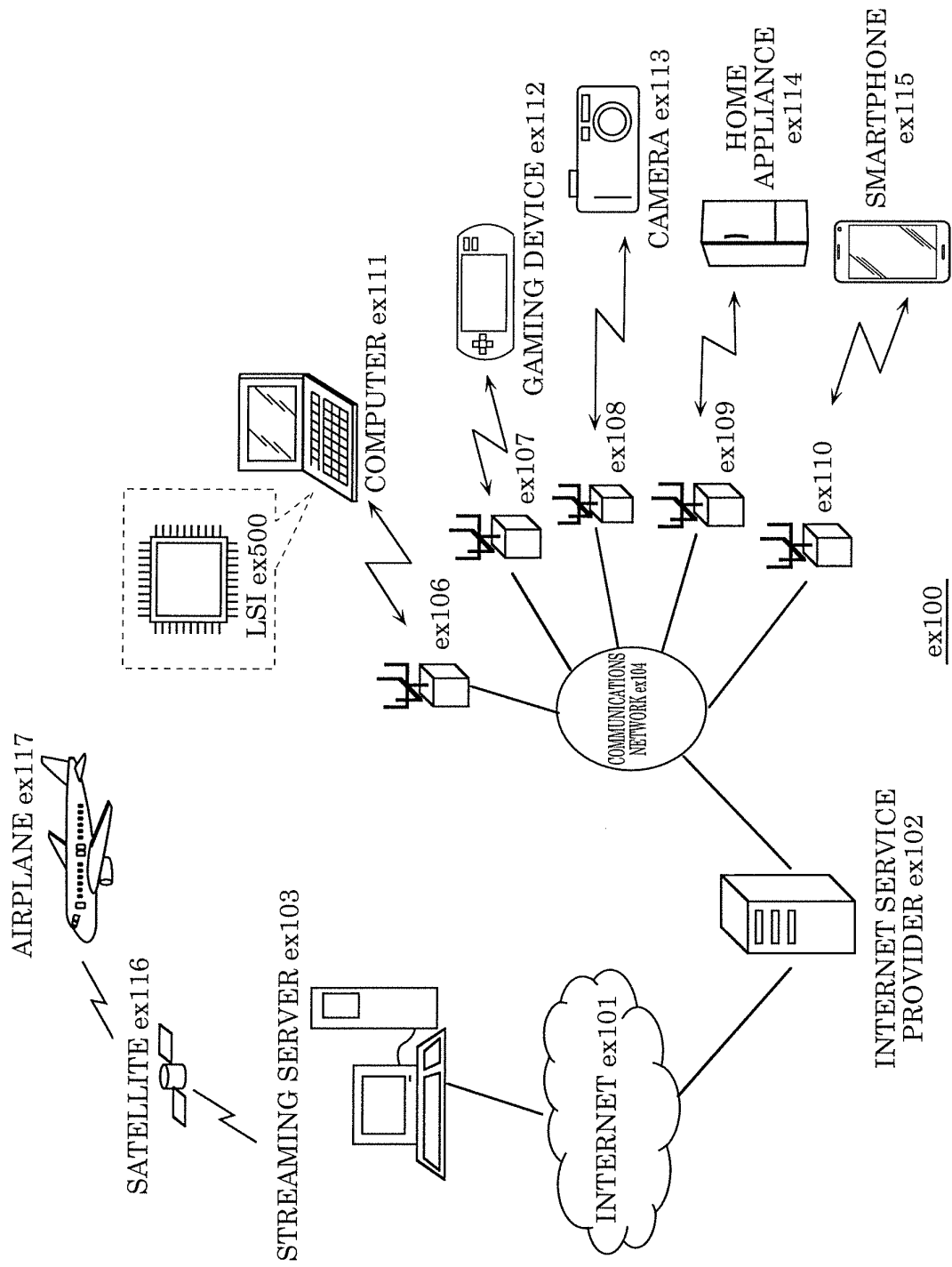


FIG. 34

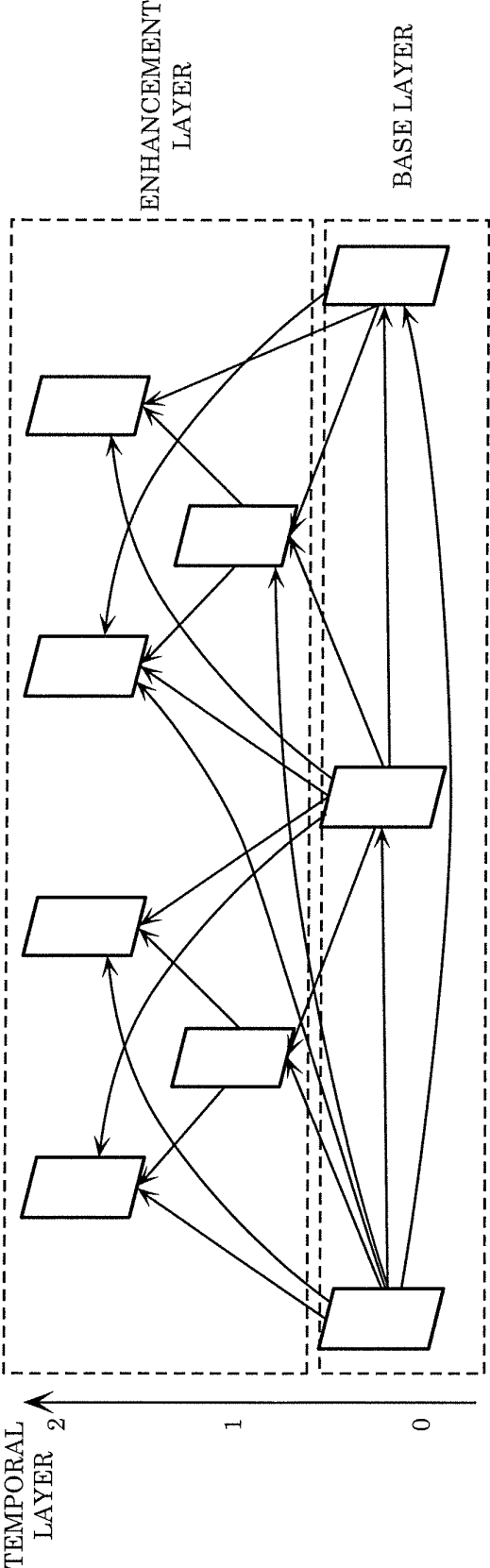


FIG. 35

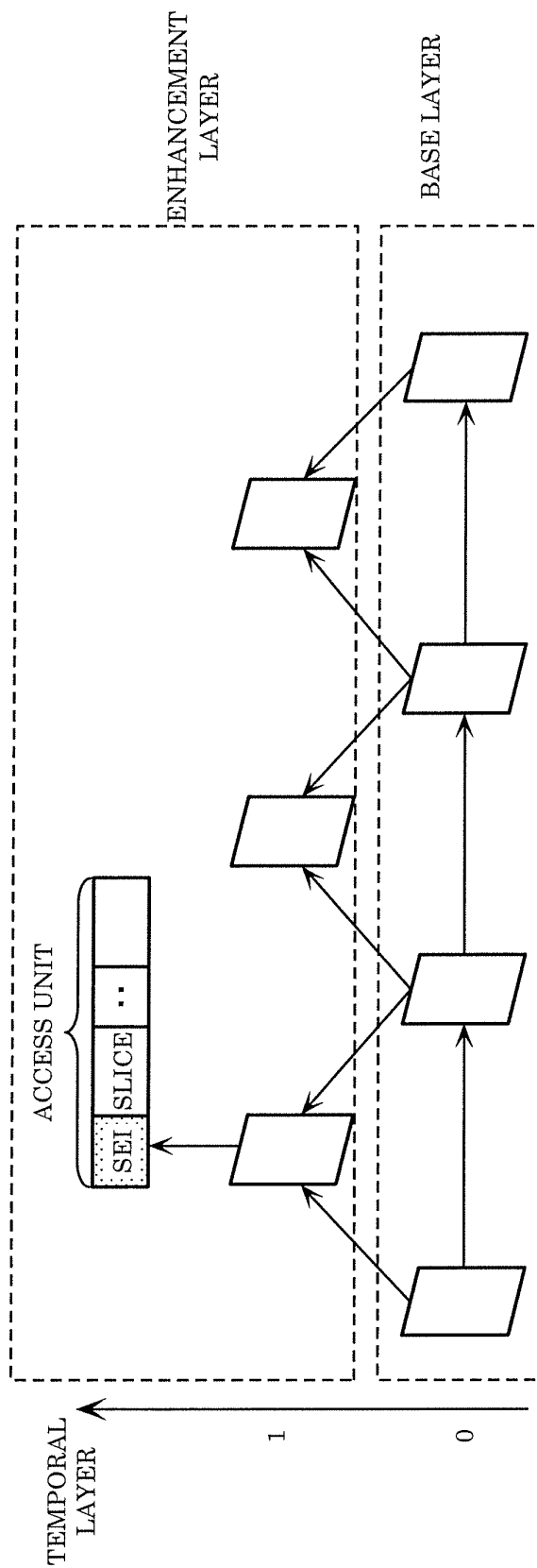


FIG. 36

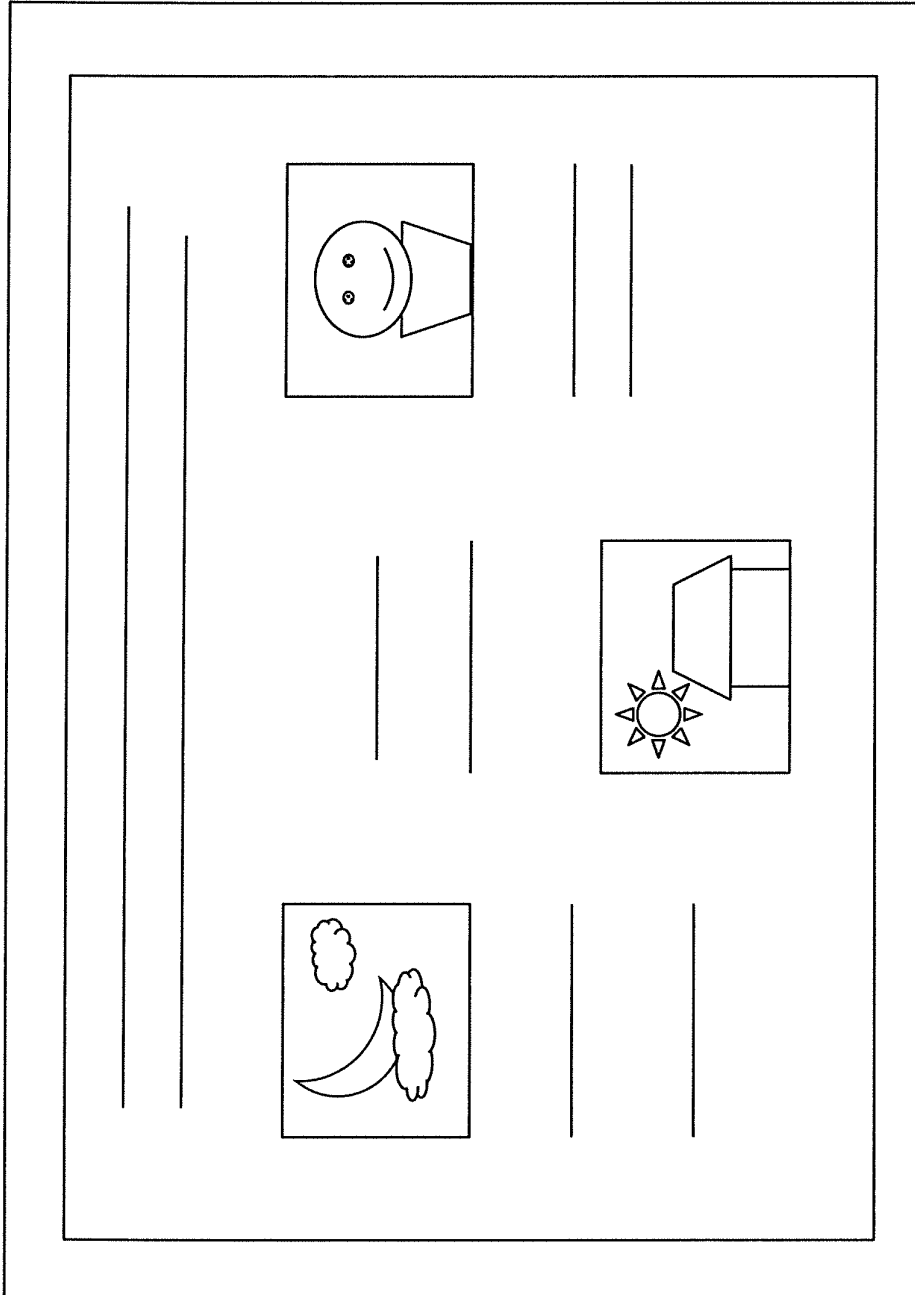


FIG. 37

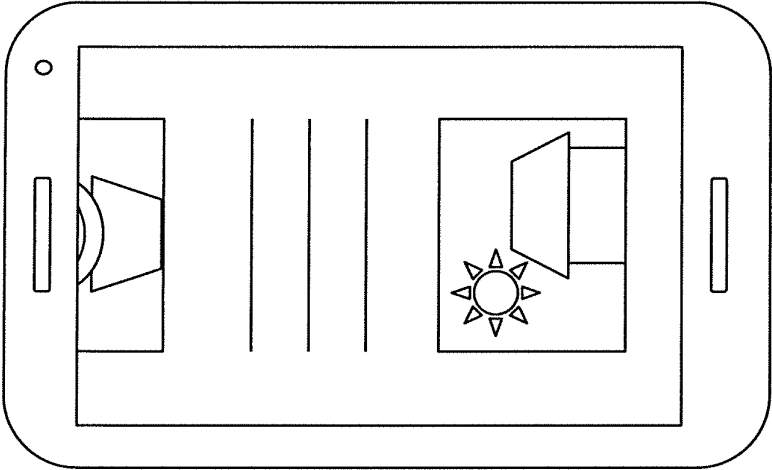


FIG. 38

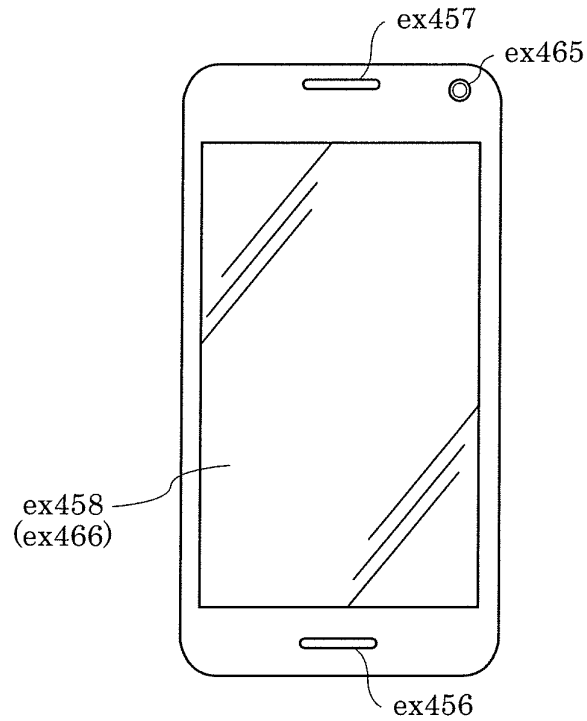


FIG. 39

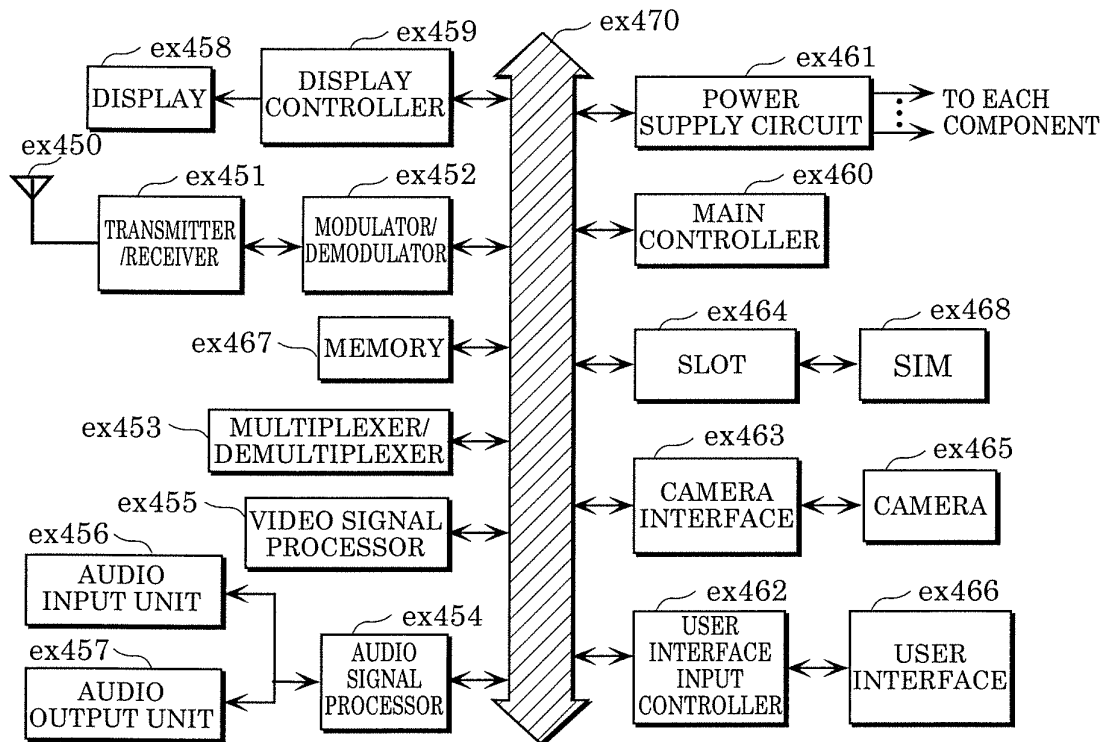


FIG. 40

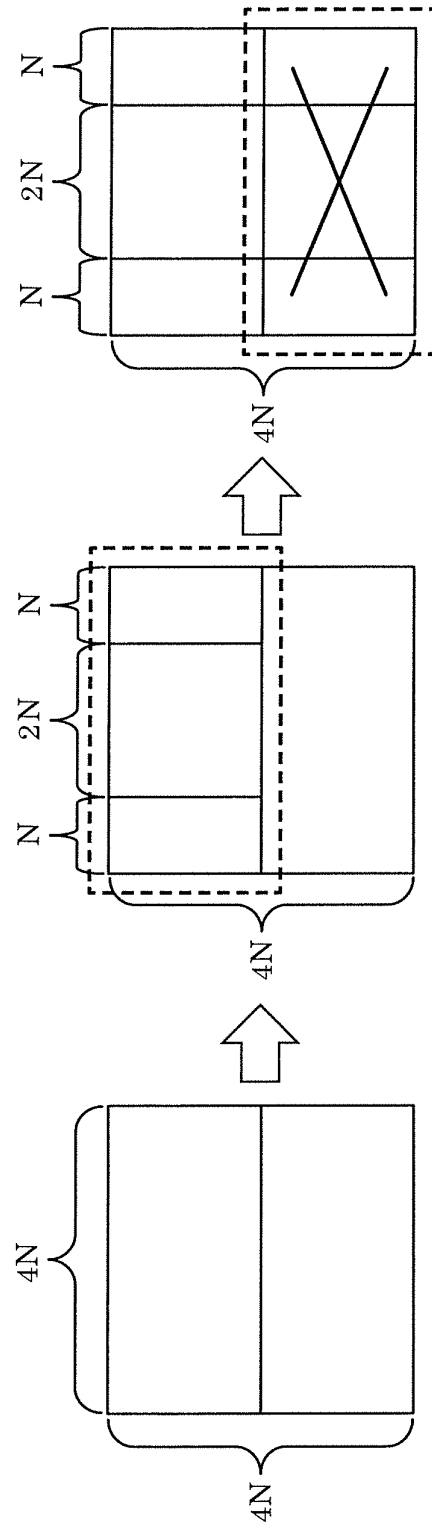


FIG. 41

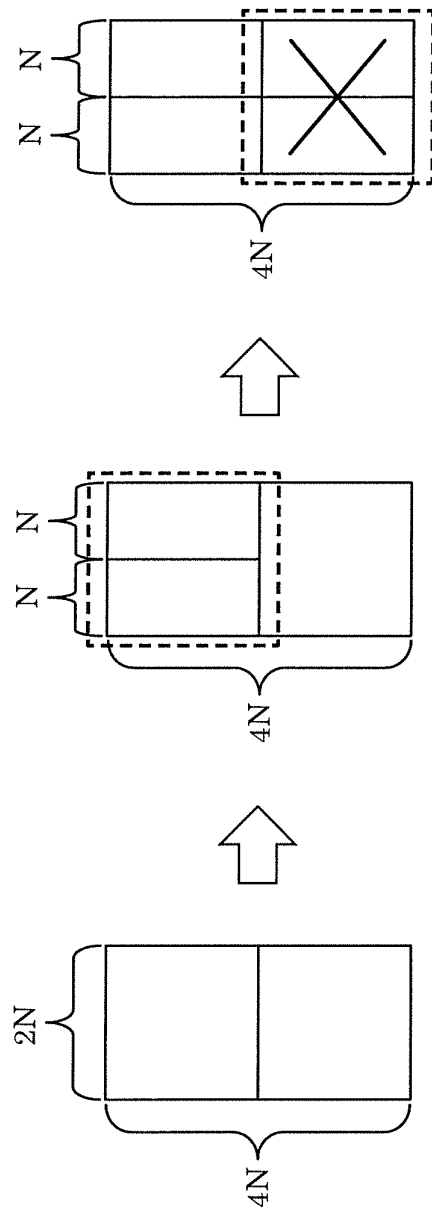


FIG. 42

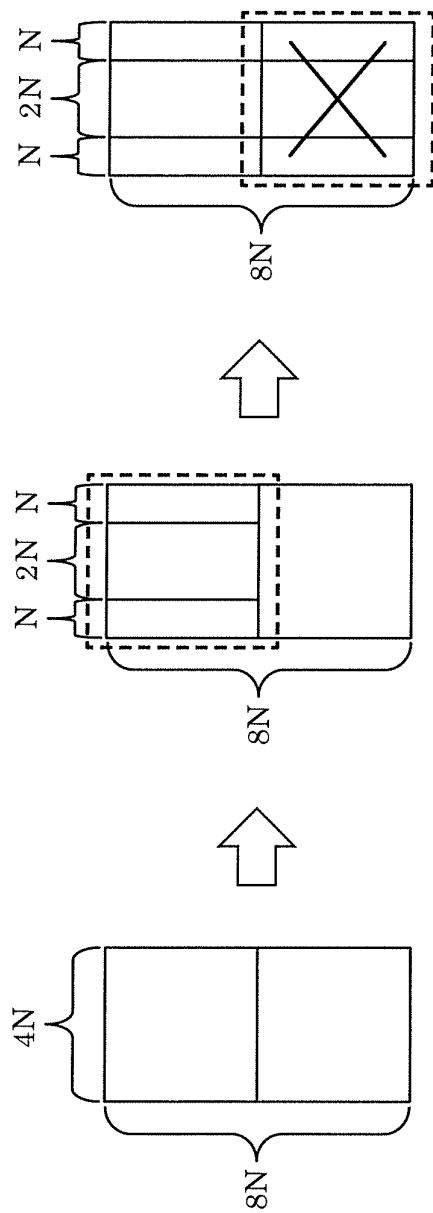


FIG. 43

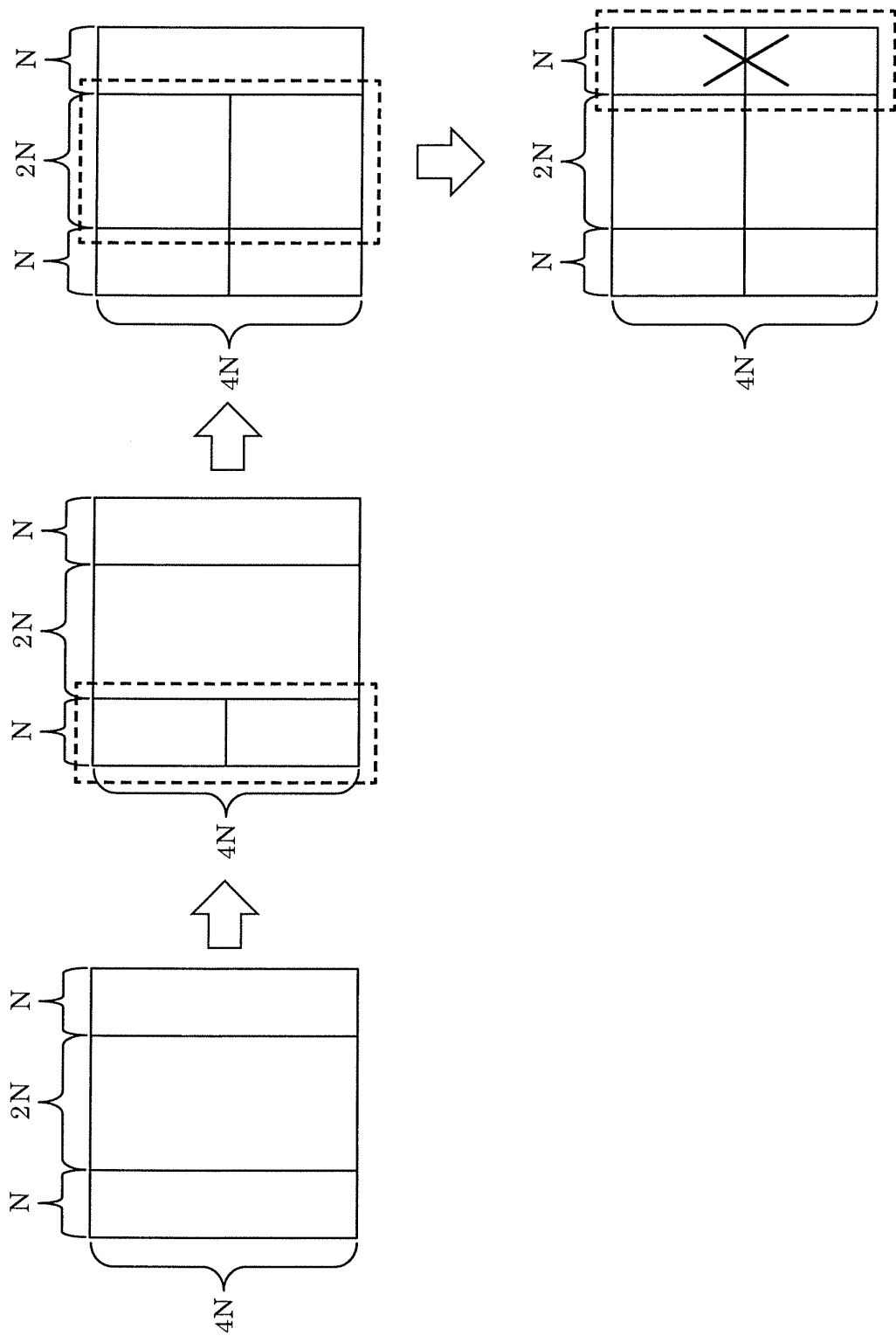


FIG. 44

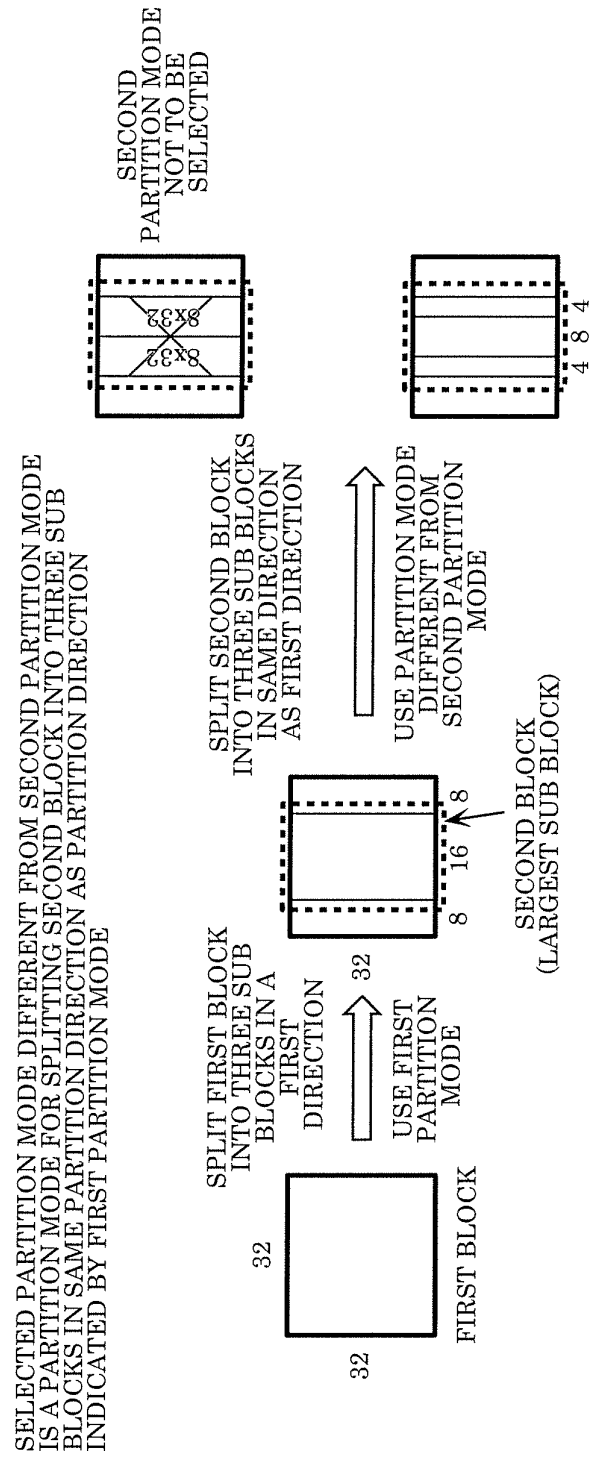


FIG. 45

