1

$1,2$

\

$$M_{td} = \mathbf{N}_{posi} \times \mathbf{N}_c$$

$$M_{tt} = N_{posi} \times N_c$$

$$M_{cd} = N_x \times N_y \times N_c$$

$$M_{ct} = N_x \times N_y \times N_c$$

$$M_T = M_{td} + M_{tt} + M_{cd} + M_{ct}$$

$$N_c$$

$M_T <$

$M_T >$

n

$$n = (M_{td} + M_{tt} + M_{cd} + M_{ct}) / \texttt{VOLATILE\_MEMORY}$$

$\mathbf{N}_c/n$

$$M_{cd} < 0.5 \times \texttt{VOLATILE\_MEMORY}$$

$$n = (M_{td} + M_{tt} + M_{ct}) / (\texttt{VOLATILE\_MEMORY} - M_{cd})$$

$$n_c = \mathrm{floor}(N_c/n)$$

$$n = \mathrm{ceiling}(N_c/n_c)$$

n_c

$$N_{posi} = 61263$$

$$N_c = 20737$$

$$N_x = 148$$

$$N_y = 142$$

$$n = 3$$

$$n_c = 9787$$

M_{td}

M_{tt}

M_{cd}

M_{ct}