



< loop 1 >

: save $3 \times 3 = 9$
weight values to
 $B_{-11}, B_{-12}, \dots, B_{-33}$

< loop 2 >

: calculate
 $cal_m1, 2, 3, 4$

< loop 3 >

$$\begin{aligned}
 & \text{Count} = 4 \\
 & \text{Count} = 0, 1, \dots, 40 \\
 & 0 \\
 & \frac{8 \times 40 + 16 + 4 \times 84}{4} \\
 & A = 8 \times 40 + 16 + 4 \times 84 \\
 & \vdots
 \end{aligned}$$

$\Rightarrow 4 \times 4$ rotation

Total state passed

$$\begin{aligned}
 & = 1 \times (3 \times 9) + ((4 \times 9 \times 4) + 4) \times 4 \times 4 + 1 \\
 & = 248,826
 \end{aligned}$$