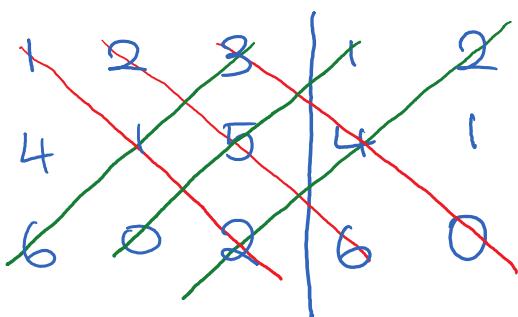


$\det(A) \rightarrow$ Short cut method

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$$= (\cancel{1 \times 1 \times 2})^2 + (\cancel{2 \times 5 \times 6})^{60} + (\cancel{3 \times 4 \times 0})^0$$

$$- (\cancel{2 \times 4 \times 2})^{16} + (\cancel{1 \times 5 \times 0})^0 + (\cancel{3 \times 1 \times 6})^{18}$$

$$= (2 + 60 + 0) - (16 + 0 + 18)$$

$$= 62 - 34$$

$$\det A = \boxed{28}$$