Columns: A (2), B (5), C (5), D (5), E (1), with $\omega^1, b^1, \omega^2, b^2, \omega^3, b^3, \omega^4, b^4$.

$$LB : (B \times A) + B + (C \times B) + C + (D \times C) + D + (E \times D) + E$$

$$\omega^1 = (B, A)$$
$$b^1 = (B, 1)$$
$$\omega^2 = (C, B)$$
$$b^2 = (C, 1)$$
$$\omega^3 = (D, C)$$
$$b^3 = (D, 1)$$
$$\omega^4 = (E, D)$$
$$b^4 = (E, 1)$$