

$$\mathbf{z}_1 = (\mathbb{E} [1, 11, 0] \mathbb{E} [4, 2, -1] \mathbb{E} [15, 5, 0] \\ \mathbb{E} [6, 8, -1] \mathbb{E} [9, 16, 0] \mathbb{E} [12, 14, -1] \mathbb{E} [3, -1] \mathbb{E} [7, +1] \\ \mathbb{E} [10, -1] \mathbb{E} [13, +1])$$

$$\mathbb{E} \left[1, -l_2 + l_5 - l_8 + l_{11} - l_{14} + l_{16}, \right. \\ \left. - \frac{e_4 f_2}{t} + e_{15} f_5 - \frac{e_6 f_8}{t} + e_1 f_{11} - \frac{e_{12} f_{14}}{t} + e_9 f_{16}, \right. \\ \left. - \frac{e_4^2 f_2^2}{4 t^2} + \frac{1}{4} e_{15}^2 f_5^2 - \frac{e_6^2 f_8^2}{4 t^2} + \frac{1}{4} e_1^2 f_{11}^2 - \frac{e_{12}^2 f_{14}^2}{4 t^2} + \frac{1}{4} e_9^2 f_{16}^2 + e_1 f_{11} l_1 + \right. \\ \left. \frac{e_4 f_2 l_2}{t} - l_3 - l_2 l_4 + l_7 + \frac{e_6 f_8 l_8}{t} - l_6 l_8 + e_9 f_{16} l_9 - l_{10} + \right. \\ \left. l_1 l_{11} + l_{13} + \frac{e_{12} f_{14} l_{14}}{t} - l_{12} l_{14} + e_{15} f_5 l_{15} + l_5 l_{15} + l_9 l_{16} \right]$$