

1. Calcula una base de $S = \{(x, y, z, t, u) \in \mathbb{R}^5 \mid 2x + y - z + u = 0, 2x - 5z + 7t + 6u = 0, 4x + y - 6z + 7t + 7u = 0, 8x + 2y - 12z + 14t + 14u = 0\} \subseteq \mathbb{R}^5$.