1.
$$\sum_{\substack{i<n \\ i \text{ sudé}}} x_i^2$$

2.
$$I_4 = \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{pmatrix}$$

3.
$$|x| = \begin{cases} x & x \geq 0 \\ -x & x \leq 0 \end{cases}$$

4.
$$a + b + c + d + e + f + b + c + d + e + f + b + c + d + e + f$$
$$+ b + c + d + e + f + b + c + d + e + f + i + j + k + l + m + n$$

5.
$$a + b = c + d$$
$$x = w + y + z$$
$$m + n + o + p = q$$

6.
$$a + b + c + d \quad = 0,$$
$$c + d + e = 5.$$

7.
$$\alpha = \alpha\alpha$$
$$\beta = \beta\beta\beta\beta \qquad \text{versus} \qquad \delta = \delta\delta$$
$$\gamma = \gamma \qquad\qquad\qquad \eta = \eta\eta\eta\eta\eta\eta$$
$$\varphi = \varphi$$

Volitelné úkoly

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$$a_{11}x_1 + a_{12}x_2 + a_{13}x_3 \qquad\quad = y_1, \qquad\qquad (1)$$
$$a_{21}x_1 + a_{22}x_2 \qquad\quad + a_{24}x_4 = y_2,$$
$$a_{31}x_1 \qquad\quad + a_{33}x_3 + a_{34}x_4 = y_3. \qquad\qquad (2)$$

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$$x_1 + y_1 + \left(\sum_{i<5}\binom{5}{i} + a^2\right)^2$$
$$\left(\sum_{i<5}\binom{5}{i} + \alpha^2\right)^2$$

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$$\begin{aligned} a &= b + c - d \\ &= g + h \\ &= i \\ &= j \end{aligned} \qquad\qquad (3)$$