RIFLESSIONI & HOUSEHOLDER

ESEMPIO:

$$X = \begin{pmatrix} 3 \\ 1 \\ 5 \\ 1 \end{pmatrix}$$

$$\sigma = |X|_2 = \sqrt{3^2 + 1^2 + 5^2 + 1^2} = \sqrt{36} = 6$$

$$U = I - 2 \frac{Wu}{|W||^2}$$

$$u = X \pm 6e_1 = \begin{pmatrix} 9 \\ 1 \\ 5 \\ 1 \end{pmatrix}$$

