$min z = \alpha_1 + \alpha_2$ S.t. x1+2x2 = 3 x1-2x2 €-5  $x_1 + 5x_2 \leq 2$   $x_1, x_2 \geq 0$ " semoving (-ve) from RHS and adding slack, Surphy and artificial vermables wherever require to convert it into standard L.P. Format: 1. min2 =  $\alpha_1 + \alpha_2 - ma_1 - ma_2 = 0$  $x_1 + 2x_2 + a_1 = 3$   $-x_1 + 2x_2 - e_2 + a_2 = 5$   $x_1 + 5x_2 + 5x_3 = 2$ where, oc, az, a, az, ez, s3 >0 . Creating tableau based on it for simplex LP:

