Dual-Simplex method: (\* on Final exam) Nov. 8 T /17 x, x<sub>2</sub> x<sub>3</sub> ... Z Max \_ most (-ve) Linear Prog.  $a_{11}$   $a_{12}$   $a_{13}$  ...  $b_{1} = x_{80}$ .  $a_{21}$   $a_{22}$   $a_{23}$  ...  $a_{2n}$   $a_{2n}$  a $0 = \min \left\{ \frac{b_i}{a_{ii}}, \frac{b_i}{a_{ie}}, \frac{b_s}{a_{is}}, \dots a_{ii} > 0 \right\} = \frac{b_{io}}{a_{iain}} =$ X. - BV IBUZ - NBU Max Z = C\* Min W = YT b ATY 2 C A × = 16  $\langle \Longrightarrow \rangle$ × ≥ Ø y > 0

Max z = 60x,  $+30x_2 + 20x_3$ s.t. 8x,  $+6x_2 + x_3 = 48$  4x,  $+2x_2 + 1.5x_3 = 20$  2x,  $+1.5x_2 + 0.5x_3 = 8$ x, x, x, x, z = 0