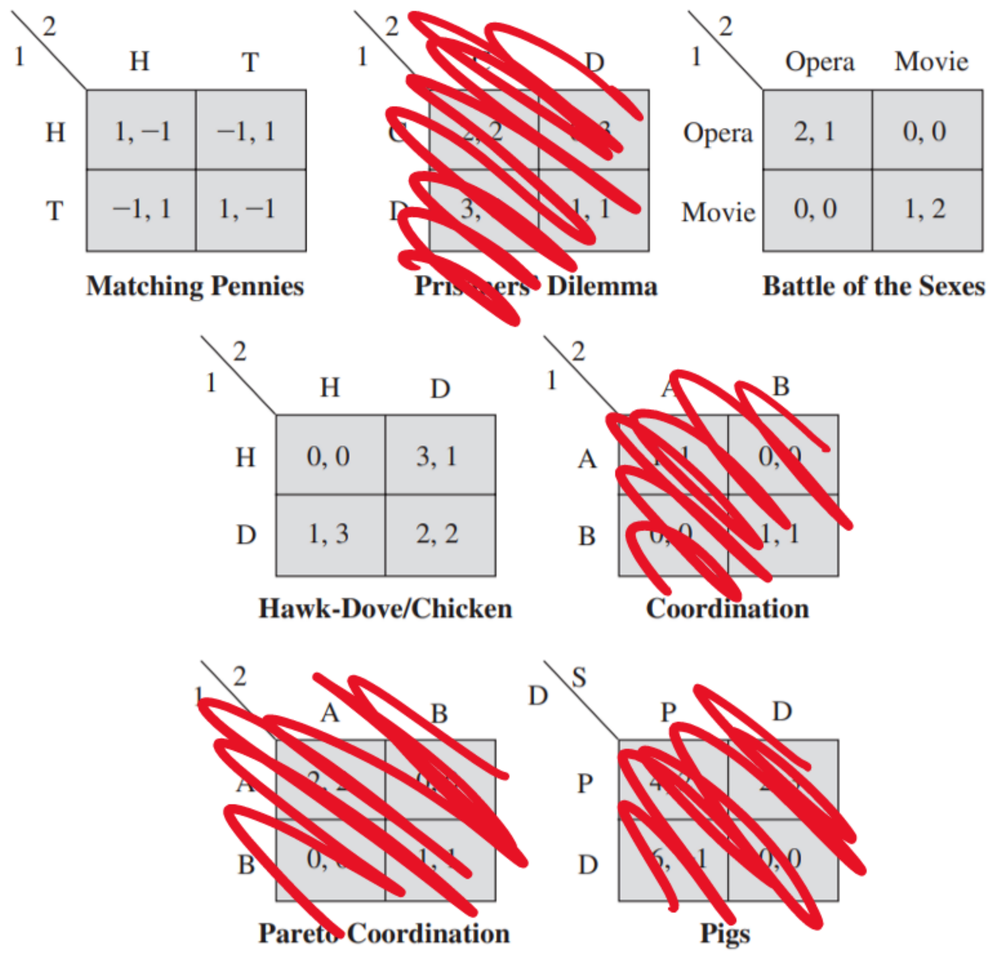
# HW 4.4

Saturday, September 5, 2020 2:07 PM

Worked w/ Kail
Passed Solution review
for each game find:
$U_1(\sigma_1, \sigma_2)$ and $U_2(\sigma_1, \sigma_2)$ For
$\sigma_1 = (1/2, 1/2)$ and $\sigma_2 = (1/2, 1/2)$

FIGURE 3.4 Classic normal-form games.




Pennies: $U_1(\sigma_1, \sigma_2) = U_2(\sigma_1, \sigma_2) = .25 - .25 + .25 - .25 = 0$

Sexes: $U_1(\sigma_1, \sigma_2) = U_2(\sigma_1, \sigma_2)$
$= (2 \cdot 1/4) + 0 + 0 + (1 \cdot 1/4) = 3/4$

Chicken: $U_1(\sigma_1, \sigma_2) = U_2(\sigma_1, \sigma_2)$
$= 0 + (1 \cdot 1/4) + (3 \cdot 1/4) + (2 \cdot 1/4) = 6/4 = 1.5$