(5532 Active) 2 figher Un 1 mil 3 @ miss. ech

1. a)
$$7: Xw: \begin{bmatrix} b+c+2 \\ 2b-2c \\ 6-3b-3c \end{bmatrix}$$

Similar a, b),
$$b+c+2=-2$$

 $2b-2c=0$
 $6-3b-3c=1$

Su, $Z = \frac{4x_1}{9x_1 + 4x_2 + 4x_3} < \frac{4}{4}$

on salma alnowed butter cost 2 Zet. decision 4 Colollary of & +, for c, c2, c3, c4, cary to get : for c, to cy, 9rf + 4r,-12 < \$ Thus, none classfred as low carb. for almond butter, rf = 3, rj = 3. 9rf + 4rp-12= 27 20, -> low cars. f) Simler as e), rg: 19, rp: 23. 9rf + 4rp -12 = 9x1/+4x23-12) d -> low conf. We need to calculate the misclessifications for each of the 6 vertors and to get the larest mis classifications. for, w,: [-1], wz = [-3], wg = [-3], wy = [-3], ws = [2], v6: [3], we find that, for w2: [-3], w4: [3] we get the loust misclesafrationes, i.e. 2.

b). Similar as a), but this time, he need to find the misclessofications, After calculation, easy to get that $W = \begin{bmatrix} -1 \\ -1 \end{bmatrix}$, $\begin{bmatrix} -1 \\ -1 \end{bmatrix}$, $\begin{bmatrix} -1 \\ -1 \end{bmatrix}$, are fair.

$$w = \begin{bmatrix} 2 \\ -3 \end{bmatrix}$$

No. since [o] is not fair.