· 3equations, Tunknouns

-> from MATCAB (element Balance -m)

N' = 3935 mol/hand days

1+x = 7.87

· species halance

|       |   | CSZ | Soz | Hz | 0 02  | 10, | COZ | -, |
|-------|---|-----|-----|----|-------|-----|-----|----|
| V·R = | C |     | 3   | 0  | 0     | 5   | 0   |    |
|       | Н | 0   | 0   | Z  | 0     | 0   | 0   |    |
|       | 0 | 0   | 2   | 1  | 2     | ಿ   | Z   |    |
|       | 5 | 2   | 1   | g  | 9     | 0   | Ð   |    |
|       | N | 0   | 9   | 0  | (0)40 | 2   | ٥   |    |

(RREF on Matlab, Week 5 az. m)

| Sei. | O | 0 0  | ) ) | .1  | rank 5              |
|------|---|------|-----|-----|---------------------|
| 0    | ı | 00 = | 0 0 | - 2 | (40)                |
| . 0  | 9 | ι    | 00  | 0   | R=M-E               |
| 0    | 0 | ് ര  | ( ) | 3   | = <b>WINN</b> 6 - 5 |
| 0    | 0 | 0    | 0 1 | 0   | = 26 1              |

reaction max.

$$R_{cs_2} = r_1$$
 $R_{so_2} = 2r_1$ 
 $R_{H20} = 0$ 
 $R_{o_2} = -3r_1$ 
 $R_{v_2} = 0$ 
 $R_{v_2} = r_1$ 

· 3 equations, 3 unknowns

-, MATLAB (species Balance.m)

N' = 3935 mol/h

102 = 721.35 mollh

 $11 \times = 7.87$   $\times = 6.87 - 1687 - 10$ 

(0)

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