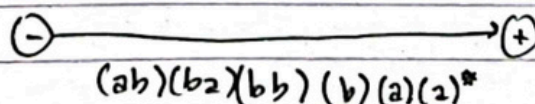
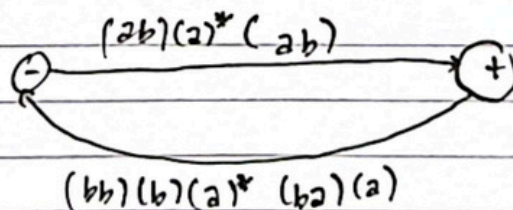
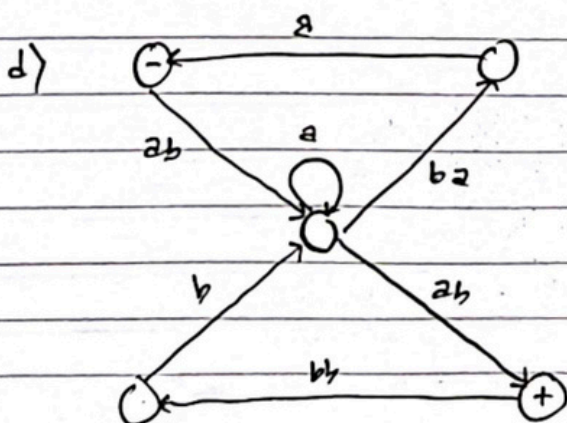
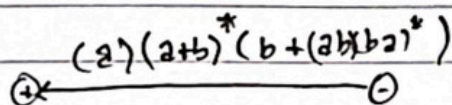
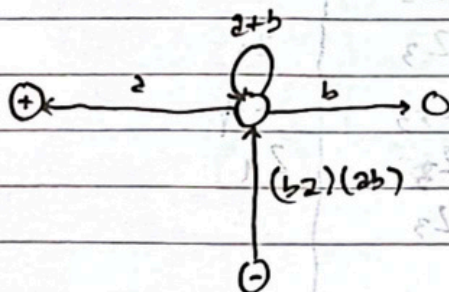
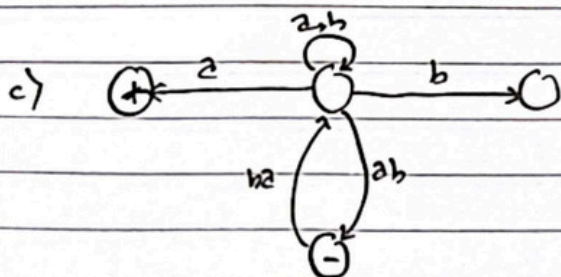
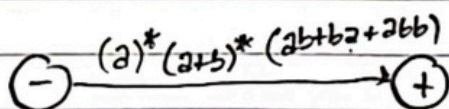
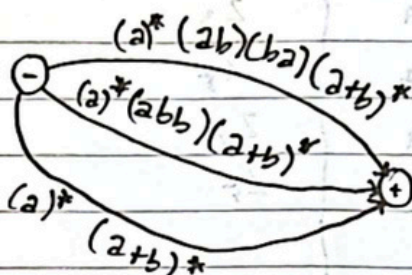
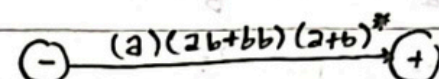
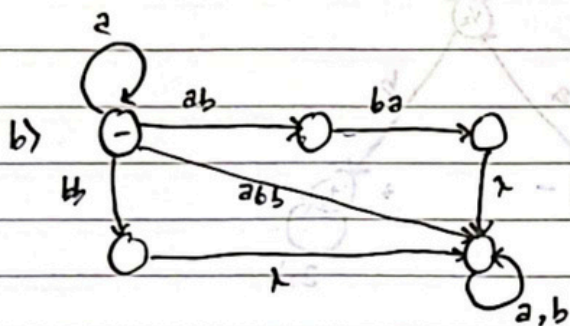
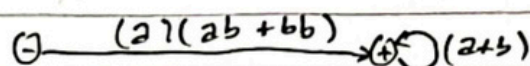
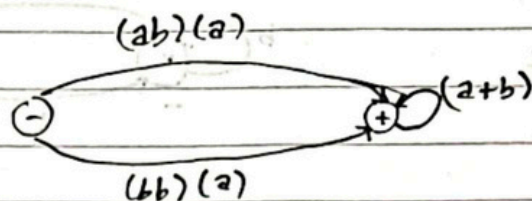
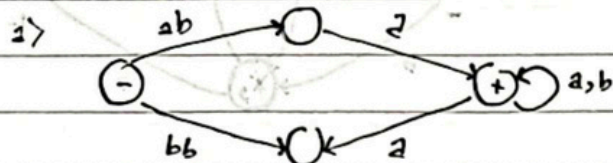


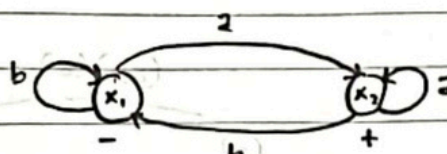
Nama : M. Daffa Rizky S

NRP : 5625231207

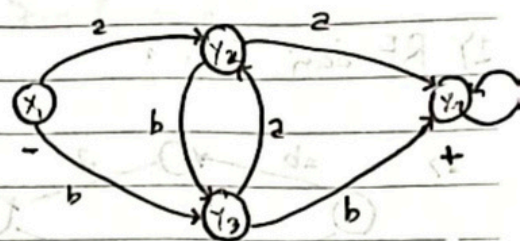
1) RE dan TG :



2) a)  $r_1 + r_2$

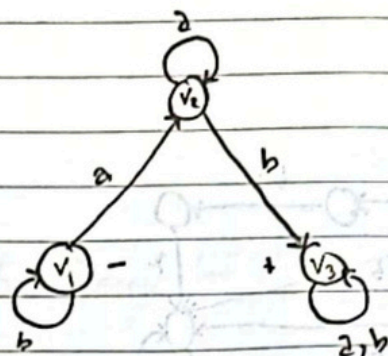


$r_1$



$r_2$

| $r_1 + r_2$ |                | a  | b  |
|-------------|----------------|----|----|
| Z1          | $x_1 \mid y_1$ | Z2 | Z3 |
| Z2          | $x_2 \mid y_2$ | Z4 | Z3 |
| Z3          | $x_1 \mid y_3$ | Z2 | Z5 |
| Z4          | $x_2 \mid y_4$ | Z4 | Z5 |
| Z5          | $x_1 \mid y_4$ | Z4 | Z5 |



| $r_1 r_3$ |                                  | a  | b  |
|-----------|----------------------------------|----|----|
| Z1        | $x_1$                            | Z2 | Z1 |
| Z2        | $x_2 \mid y_1$                   | Z3 | Z4 |
| Z3        | $x_2 \mid y_1 \mid y_2$          | Z3 | Z4 |
| Z4        | $x_1 \mid y_1 \mid y_3$          | Z5 | Z4 |
| Z5        | $x_2 \mid y_1 \mid y_2 \mid y_3$ | Z5 | Z4 |

| $r_2^*$ |                         | a  | b  |
|---------|-------------------------|----|----|
| Z1      | $x_1$                   | Z2 | Z3 |
| Z2      | $x_2$                   | Z4 | Z3 |
| Z3      | $x_3$                   | Z2 | Z4 |
| Z4      | $x_1 \mid x_4$          | Z5 | Z6 |
| Z5      | $x_1 \mid x_2 \mid x_4$ | Z5 | Z6 |
| Z6      | $x_1 \mid x_3 \mid x_4$ | Z5 | Z6 |

| $r_3^*$ |                         | a  | b  |
|---------|-------------------------|----|----|
| Z1      | $x_1$                   | Z2 | Z1 |
| Z2      | $x_2$                   | Z2 | Z3 |
| Z3      | $x_1 \mid x_3$          | Z4 | Z3 |
| Z4      | $x_1 \mid x_2 \mid x_3$ | Z4 | Z3 |