gues 1:

 $Z = \sigma \times (0 \cdot a_1 a_2 a_3 a_4)_2 \times 2^e$

(a) 'O' cannot be represented in the given floating - point, as zero is equivalent to 0 itself in binary number system

Z=(0) X (0.0000)2 X 26 £ e=0

= (0-) x (0.0000) x 2°

It would be zero, as 2° = 1.

(b) Out of 0 to 14, 0 cannot be supresented because the smallest term is 2°=1, so 0 is 0 in binary. Anything multiplied by zero will automatically become zero, which is insignificant

Z=(0) x (0.0000), x2°

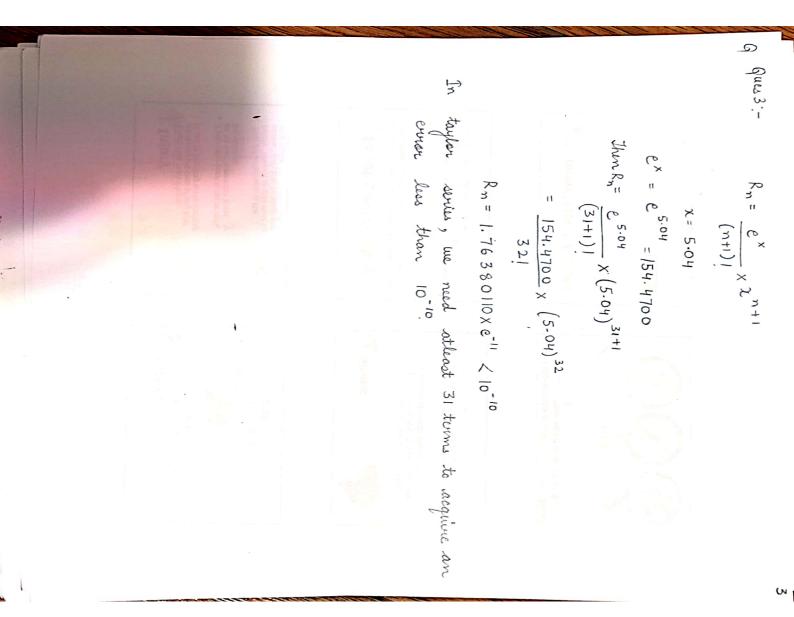
11

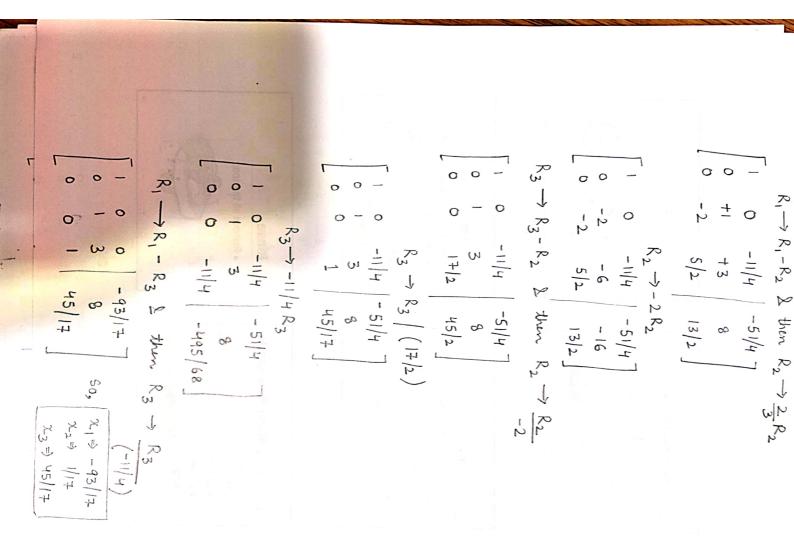
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Gr frusz:

(a) Prophagated even: E_x + E_y

E_x = \chi_7 - \chi_A
= 0.3676 \times 10^3 - 0.368 \times 10^3
= 0.3676 \times 10^{-1}
E_y = y_7 - y_A
= 0.4562 \times 10^{-1} + 0.3000 \times 10^{-3}
= 0.3 \times 10^{-3}
= 0.3 \times 10^{-3}
= 0.347 \times 10^{-1}
= -0.347 \times 10^{-1}
= -0.0347
(b) Rounding even: x_A + y_A
x_A + y_A = 0.368 \times 10^3 + 0.456 \times 10^3
= 0.37256 \times 10^3

February takin = f(\chi_A + y_A)
= 0.3721 \times 10^3 - 0.373 \times 10^3
= 0.3721 \times 10^3 - 0.373 \times 10^3
= 0.3721 \times 10^3 - 0.373 \times 10^3
```





Rum 5:-A+B+2C=1 2A-B+D=-2 A-B+C-2b=4 2A-B+2C-D=0 A-B-C-2b=4 2A-B+2C-D=0 2-1