```
3 agara N 2
                             uz TP (Bazuann 1)
I. (x1+x2+(1-1)x3=1)
 \begin{cases} x_1 + (\lambda - 1)x_2 + x_3 = \lambda \\ (\lambda - 1)x_1 + x_2 + x_3 = \lambda^2 \end{cases}
2 a) Eau ) = -1
D = (A|B) = \begin{pmatrix} 1 & -2 & 1 & | & -1 & | \\ 0 & 3 & -3 & | & 2 & | \\ 0 & 0 & 0 & | & 1 & | \end{pmatrix}
    rk(A) = 2 \neq rk(A/B) = 3 \equiv C \wedge A y \text{ necolule common} = 3
                              => nem remenui
```

$$2 \delta) \lambda = 2$$

$$0 = (A | B) = \begin{cases} 1 & 1 & 1 & 2 \\ 0 & 0 & 0 \\ -1 & 0 & 0 \end{cases}$$

$$rk(A) = 1 \neq rkr(A | B) = 2 \Rightarrow (AA)$$

$$recolumna)$$

$$= rem pemenan$$

$$2 \delta) Ecm \lambda \neq -1, \lambda \neq 2$$

$$0 = (A | B) = \begin{cases} 1 & 1 & 1 \\ 0 & 1 & 1 \\ 0 & 1 & 1 \end{cases}$$

$$0 = (A | B) = \begin{cases} 1 & 1 & 1 \\ 0 & 1 & 1 \\ 0 & 0 & 1 \end{cases}$$

$$vk(A) = 3 = rk(A | B) = 3 = n \Rightarrow (AA)$$

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$$(A | B) = 3 = n \Rightarrow (AA)$$

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$$(AA)$$

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=) vyen $\lambda \in (-\infty', -1) \cup (-1, 2) \cup (2) + \infty)$ ganger. pemenne \in nonaugoro Odjamnan

mamphuse.