Exercice 1

det (A). det (A). det (A) = 0.

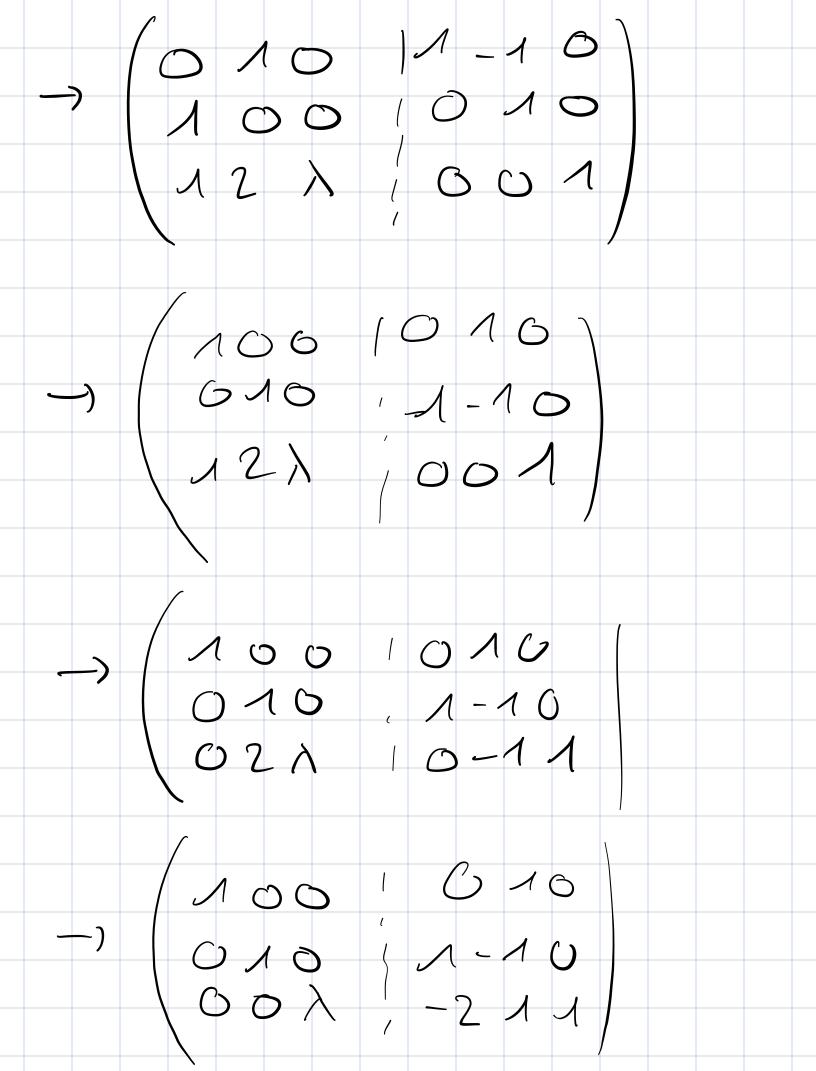
$$(I_n + A + A^2)(I_n - B)$$

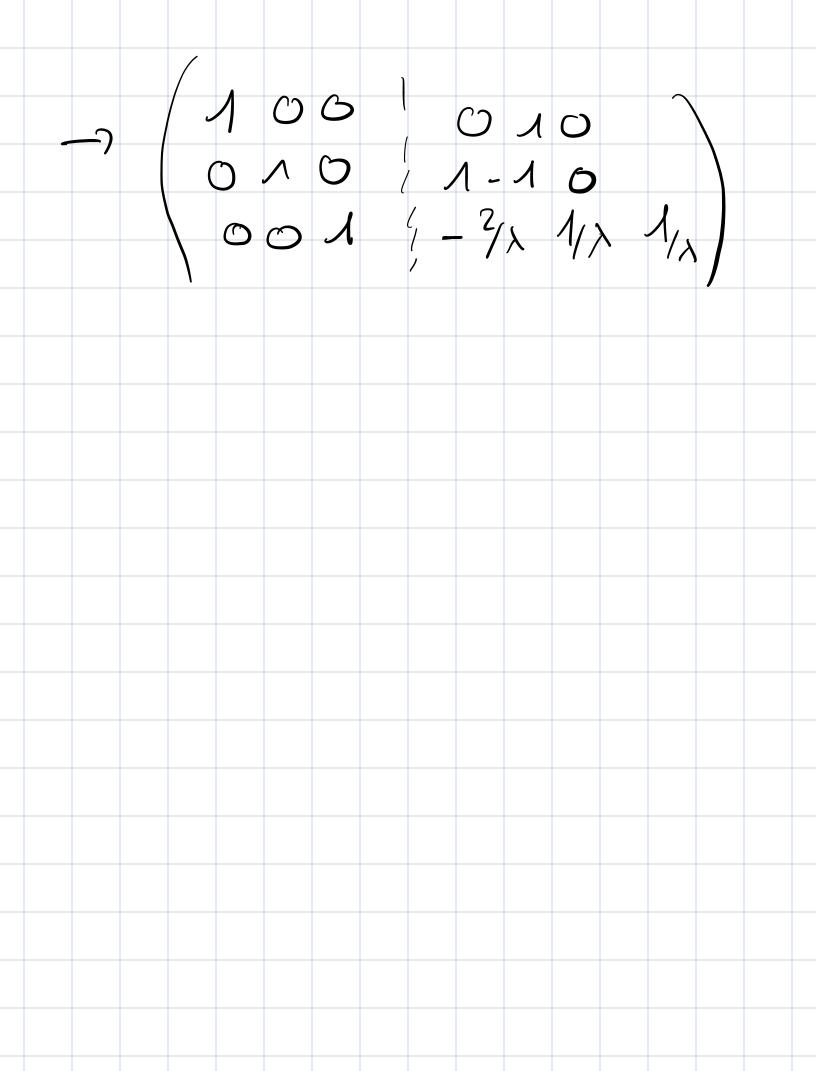
$$= I_n - P_1 + A - A^2 + B^2 - A^3$$

$$= I_0$$

Exercice 2

$$=-\lambda$$





Exerce 3 det (A) $+ \frac{1}{3} \cdot \frac{1}{2} \cdot \frac{1}{2}$ $= \frac{2}{2} - \left(2 - 2\right)$ - C_2^2 - (C_3-C_1) + C3 - (C2-C1)

$$= \frac{1}{2} \cdot \frac{$$

 $= \frac{1}{2} \cdot \frac{1}{2} - \frac{1}{2} \cdot \frac{1}{3} - \frac{1}{2} \cdot \frac{1}{3}$ $+ \frac{1}{2} - \frac{1}{2} - \frac{1}{2} \cdot \frac{1}{2} + \frac{1}{2} \cdot \frac{1}{3} \cdot \frac{1}{2}$ $+ \frac{1}{2} - \frac{1}{3} - \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$

 $C_{2} - C_{1} + O_{e_{3}} + C_{2} + C_{3}$ $C_{3} + C_{4}$ $C_{3} + C_{2}$ $C_{1} + C_{2} + C_{3}$

Exerce 4 $\begin{array}{c} O(1) & O(2) \\ O(2) & O(2) \\ O(3) & O(3) \\ O(3) & O($ - det (are ary) del (A)

= det (A) - det (azz + caz azy + cazy)

gaver mill azz azy + cazy

jegre kor det

