```
I. Проверии зошкнутост отн. умножение на скалар и
  a) P==d,xm+pxm++...+y, P2=d2xm+p2xm++...+y2 (P1,P2 =Pn)
       · comercians
         PI+P2 = (k1+d2) x = (B1+B2) x = + ... + (Y1+Y2) P36Pm V
           иноъекие на спафер
         \Delta p_1 = \Delta d_1 \times m + \Delta \beta_1 \times m^{-1} + ... + \Delta \gamma_1 = p_4
                                                                  PLEPM V
  δ) f_1(x), f_2(x) \in H_0: \{f(x) \mid f(x) \in P_n, f(1) = f(-1) > 0\}

· Chorestell (we n.a. crease the hydrithator)
         fo(x) = fi(x) +f2(x):
             - f3(1) = f1(1) + f2(1) = 0+0=0 => f3 = Ap /
             - fx(1) = df,(1) = 0d = 0 => fx6Ap \( \sigma \)
  b) f,(x), fx(x) & Bp: {f(x) | f(x) c Pn, f(0) = f(1)}
       • сионение (по п.а степон не изичнитак)
         f3(x)=f1(x)+f2(x)
             -\frac{f_{2}(1) = f_{1}(1) + f_{2}(1)}{-f_{3}(0) = f_{1}(0) + f_{2}(0)} \Rightarrow f_{3}(1) = f_{1}(1) + f_{2}(1) = f_{1}(0) + f_{2}(0) = f_{3}(0)
                                                                f3eBp √
              оъсение на спарер (по п.а степеть не идиненитае)
        fu(x) = df,(x)
             -\frac{t_{4}(1)}{-t_{4}(0)} = dt_{1}(1)}{\Rightarrow} t_{4}(1) = dt_{1}(0) = t_{4}(0) \Rightarrow t_{4} \in \mathbb{R}_{p} 
                                                            Orber: a)ga 5)ga b)ga
2. Coeratura uz beutopob auserpayor a breacuma use pour
    1. [147] ~ [136] ~ [110] ~ [010] runk=2 = 13, bagge [a,b]
    2. [1 1] ~ [1 0 0] ~ [1 0 0] ~ [1 0 0] ~ [1 0 0] rank=1 => 13, Sagge {a,b}
    3. [32-3] [310] [310] [010] [010] [010] [32-3] [M3, Seguc (a,b,c]
   Range A = Span ({1;-1;-2;2])

Range A = Span ({1;-1;-2;2])

rank A = dim(Range A)= |
  Pennen yakuru
                         Nullspace A = Span (
                         nullity A=dim(Nullspace A)=3
                                  RangeB = Spa
                                                   multily B = 2.
                      1) Motpuyor c kensayana pantona 2x2 l osuyan lung bornagat rak:
     Dua marpay c x220. -1, 0 u 1 x2003x60 6260 34 = 81 exerpmy.

Warpung c remained parto m: 4[$1 0], 4[0 1], 4[$1 1], 4[$0], 4[$2,1]
      8[21 21], 8[21 0] c yiérem beex noboperob, [00]. Uroso: 33.
      Tough bepositions, we pare renowers: 33 = 33 = 0.4074 = 40.74%
    2) Вспользучися чудом инженерной шысам — Python:
     $24 × 0.856 = 85,6 %
```