$$\begin{array}{c} (0) v_{1} = (3,0,-2,1) \\ x_{1} = (1,4,-4,1) \\ x_{2} = (-1,4,-4,1) \\ x_{3} = (-1,4,-4,-4) \\ x_{4} = (-1,4,-4,-4) \\ x_{5} = (-1,4,-4,-4) \\ x_{5} = (-1,4,-4,-4) \\ x_{7} = (-1,4,-4,-4) \\ x_{1} = (-1,4,-4,-4) \\ x_{1} = (-1,4,-4,-4) \\ x_{2} = (-1,4,-4,-4) \\ x_{3} = (-1,4,-4,-4) \\ x_{4} = (-1,4,-4,-4) \\ x_{5} = (-1,4,-4,-4,-4) \\ x_{5} = (-1,4,-4,-4,-4) \\ x_{5} = (-1,4,-4,-4,-4) \\ x_{5} = (-1,4,-4,-4,-4,-4) \\$$

-la-b=0

44+35=0

L) Jim W=Z

```
(2) x1 = (2,3,-2,7) a) x1, x2
   x = (011,011)
                       Jim R4=4 2 < 4 = > nem bazis
   X3=/1,2,-1,6)
   xy = (-1,-5,2,0)
                     b) x41x21x31x4x5
   x5= (31-1, 112)
                      Jim Rh = 4 5>4 = ) Mem baris
(bizzist alkatmak-c R4-en)
() ×1,×2,×3,×4
 dim Rh = 4 => lehet bozis, de elötte ellenörsizni hell h függetlenet-e
                                                                \bigcirc
 2a+(-)=0
                       Za+(-1=0=) 1=2a+C
 3646421-51=0
-2a-(+zd=0 3a-7a+z(-5d=0 =)-ha+z(-5d=0

7a+b=0 =) b=-7a -2a-(+zd=0
                                        -4a +21-10a-5(=0 =)-14a-3( =0
                                                                                      - 14a + 6a=0
                                                                                             8a=0
                                        -24-C+44+2(=0 =) 24+(=0 =) C=-29
                                                                                                 <=0 =) a=b= (=d=0 =) figgetlen
                                                                                                    =) BA121S
                (3) W= Spam (x1, x2, x3)
(P1-en)
                 a) x1 = (1,2,2,-1)
x2 = (4,3,9,-4)
                  x3 = (51815,-5)
                                             -45 -5( +45 +5( =0 =) 0 =0
-86-10( +35 +8( =0 =) -56-2(=0
                                                                                        -76=0
                                             -86-10(+95+9(=0=) b-(=0=)b=( b=0=)a=b=(=0=) figgetlen
                 24+36+81=0
                 2a+9b+91=0
-a-4b-5(=0=)a=-4b-5(
                                                                                         =) BA'ZIS
                        b) x1 = (1,2,3,1)
                          x2 = (2,2,1,3)
                          ×3 = (-1,2,7,-3)
                                         29 426 421=0
                        3a +6 +71 =0
                                                                                  L) összefiggő
                          a +36-31 =0
                        Span {x11x21x3} = Span {x11x2}
                        a + 2b = 0 = ) a = -2b

24+2b= 0 - bb+2b= 0 }

3a + b = 0 - bb + b = 0 }

a + 3b= 0 - 2b+3b= 0 } = 2b=0 = ) a = b=0 = ) figgetlen
                                                =) BA'215
```