

Problem 3 Usando la Formula a pasina 2 della L(+) = p++V, V=9-P A=(0,,-, cn), H= & A, x,+--1 AN XN=d? (A, v) = (A, 1-P) = (A, Q) - (A, P) = A-J = 0(A,P)=a=> L C It. Problema 4 H= {cx, x2, x3, x) \ A, x, + A2x2 + A3x3+A, x1=03 Sostituisci i prati dati rell'equazione per it per attendre un sistema lineare de cquazioni per a coefficient. (0,0,0,0) CH => 0=0 (Sempre OCH => D=0) A, - Az = 0 , A, - Az = 0 , ZA, - Az-Az-AJ = 0 :. A4 = 0, A2 - A3 = 0 => A2 = A3, A, -A2 = 0 => A, = A2 = A3 (A, , Az, Az, Au) - c(1,1,1,0) c=1 (X,+Xz+X3=0) Lo stesso medo X1+X2+X9=0 (6) Lo stesso mede X1 + X3 + X1 = 0 (c) (d) I punt (0,0,0,0) a (21,11) apportangono a crascan iperpiano, annai ogni iperprano contrene la line che passa ba (0,0,0,0) 0 (51,1/1)

(2)

Problem 5

(a)
$$P(1) = \sum_{k=0}^{N} 2 e_{k+1} = 3$$
 $P(2) = \sum_{k=0}^{N} 2 e_{k+1} = 3 e_{k} = 5$
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V= 125= & f: 5-> 121 Problema 6 f, g = V => (f+9)(s) = f(5)+9(1) = g(5)+F(5) (S) (+) (S) ++9=5+5 f, 5, Lav => ((f+g)+h)(s) = f(s)-19(s)-h(g) 0 f(s) + (g+h)(s) /# =) (f+9)+h= f+(9+h) 2:5->17 2(5)-0 per 0gni 5:5 (5) (+12 =) (5) = (cs) + 2(s) = fes) => +++= 6 (E+F) (1) = 2(1) + fer) = f(8) =) Zef = 1. [2=0] F : S -> R, (-f): S -> 1R, (-f)(1) = -f(5) a =) (++ (-+))(4) = +(1)-+(5) = 0 => f+(+)=0 (oppre 2 dad) r, scir, mes $((rs)+)(a) = rf(a) = r(s(ra)) \neq (rs)f = r(sf)$ (5) ((r+s)+)(2) = (r+s)+(2)= rf(2) + sf(2) =)(r+s)f=r+sf((f+5))(2) = r(f+5)(2) = rf(2)+r5(2) => r(++5) = r++ rg 8 (1 +)(s) = +(s) = 1 + (s) = 1

