24.04 2024 Seminar 3 Spalie vect enclidione Forme bilimione si simetrice Fig V/R & veet , B = V 1) O gol, g: V x V -> K s.m. Jonna bilimiara daca V a) g(x,x,+d,x2,y) = d,g(x,y)+d2g(x2,y) (lum I arg.) b) g(x) B, y, + B> y2) = B, g(x, y,) + B> g(x, y2) (lim Trang) 2) O gol. vilen g: VXV - K sm. simetrico das q(x,y) = q(y,x) Obs: 1) of bilin sim (-) (g lim intrue sq. org. (1 xxu 2) 2) de g bilin som -> produs salaz Fre g: VXV -> K g. b.s., g. sm. pazihv dymbe do. (O(x) = 9(x,y) >0 , Vx & V > 0 , 7 10(x) = g(xx) = 0 <=> x = 0 Fix 9: VXV > K 8.6.5 Compider Q: V -> K, Q(x) = 8 (x, x) -> Q Sm. Perceo Produs scalar = f.b.s. por del







