Q) OR decomp. of A = 0 1 1 2 Sd. Since A=QR. Applying Gram Schmielth of A, we let, 42 = V2 - Proj V2 11 4,11 = V (0) + (1) 2+(2) = V5 Now, 11 42 11 = 9 (1)2+ (6/5)2+ (-3/5)2= 170

5/170 Hence, 6/170 -3/170 155 455 5/170 -3/170 6/170 QTA: Now, [0 1/N5 2/N5 5/N70 6/N70 -3/N70 2 2 V5 4/55 Tor 1 1 55 YWS 14/1/70