## Final Exem | Linear Algebra 15.1.23

a) Exercise 5.2: Derive alg. given symmetric indivite tridings not matrix A, compares A= UDUI. Overvice only upper triagrate part of A. Show how you came up with alg. Option 1'. option 3: Dp1:3.1 .2:

do := < 00 - x x x 2 ~ o, := , do, / d" 201=201/21 do: = do: /dn 200 = dec - 2, do, doo: = do - > > , do, do,

× 0,1= > 01.

- · Partition A -> (Aug | do en)
- · d = d (no-op)
- · Compute = 20, = 001/2/11
- · Update doo: = doo 20,0001.
- · do := 201.
- c Continue crith computing A00 → llas Do llas

5-31(Cartor) - 26-243-462-3) (1521-50) - a = 10.

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