Name-Yashraj Deepak Derrat Let R be the relation on the set A= & a, b, C, d, e, F, g, & C, e), (d,b), (d, F), R= & (a, c), (b, d), (C, a), (C, e), (d,b), (d, F), (e,c), (f,d) 3. Find the transitive closure of Rusing warphall's algorithm. Given: A= & a, b, c, d, e, F. G. R = 2 (a, c) (b, d) ((,a) (c,e) (d,b) (d, F), (e, c); f, d) 3-0

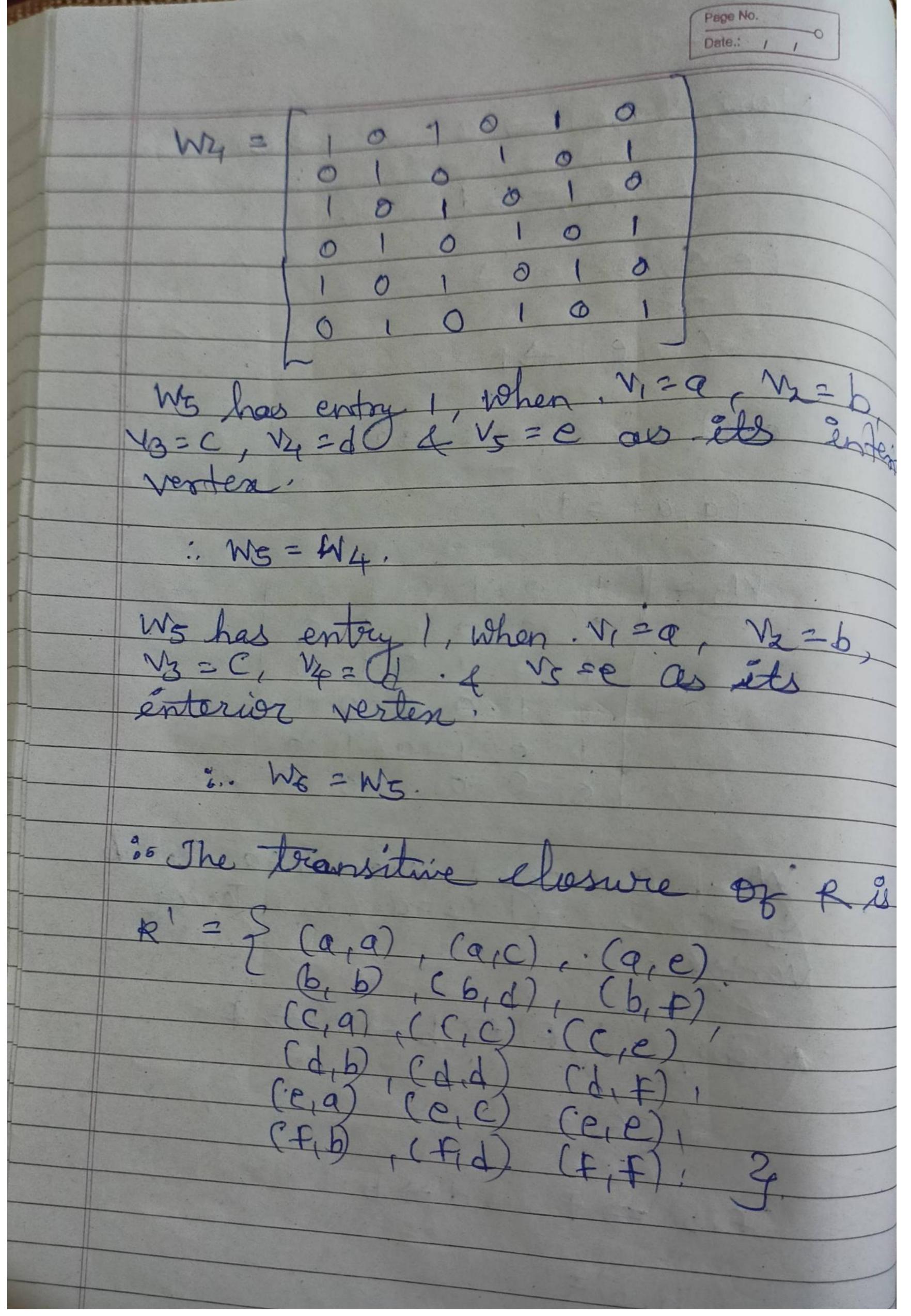
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Whas entry I when 1, = a is Vi=a, is a enterior verten 0

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Now, (a,e) -> a -> c->e. (a,e) == 1 (e,e) > e -> c -> e (e,e) ->1 (a,9) => a -> (-)a (a, a) =1. Was had entry 1, when Ni = a, Vz = b, Vz = C. & My = d as enterior vertex. Now, (b, +) -> + (b,F)=1.(+,b) =>+· -> d -> b (b,b)=1. (キ、ナ) 中十十十十十十

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