Apply (SSN, college, name, HSCode, HScity, Sports) SSN-+ name HSCode -> HSCity 2 SN, college, HS Code, Hately, sportsy JUN, college, HS Code, HScity, name, sports 3 L JSN, college, name
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2. You cannot "remove"
attributes on the LHS
maries (title, year, length)
title, year -> length

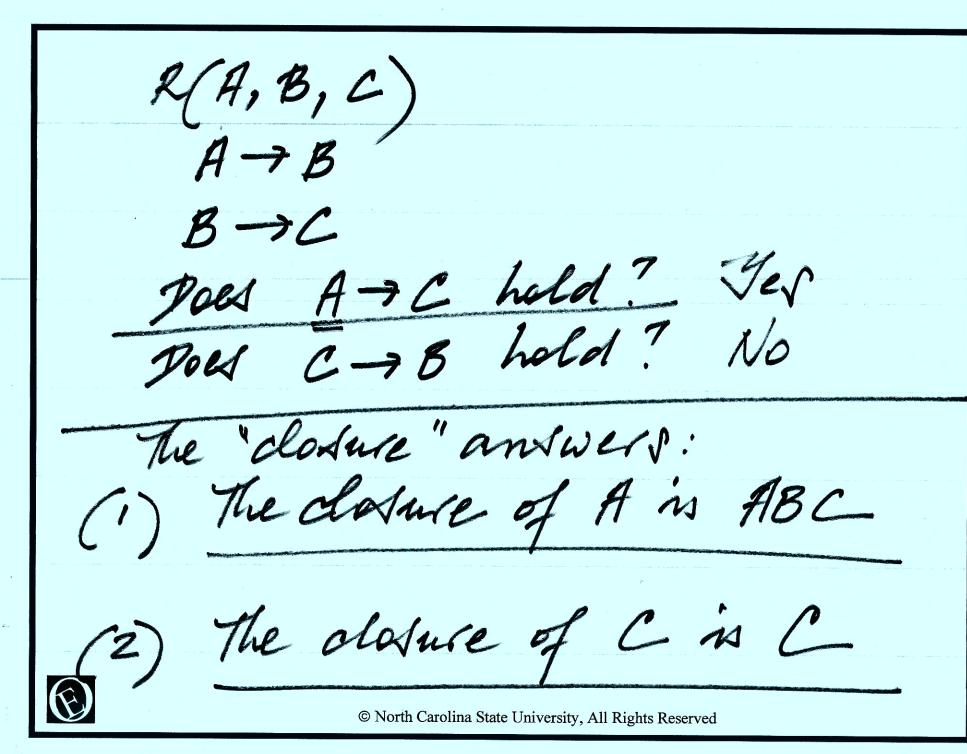




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The closure algorithm for computing closure of given setyles aftributes make I the initial clasure xet is there is a FD whose LHS is a stuble to add the FDS RHS In _ more # unuses

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(ABCT) B-C CAD Poer CD->A hold? Does CD->B hold?



With the closure
algorithm: We can

1. Prove whether a candidate
Fp holds

2. Find all derived FDS



R(ABCI) AB >C C -> ク DAA 4+=A C+=CDAnt = DA AB+ = ABCD -AC+ = ACD

"DOES candidate to hold? for instance, CD -> A AD + = AD->BBD+=BDAC CD+=CDA ABC+=ABCD 3D+ = ABCP 7+ = ACD = ABCT Cight Reserved = ABCD

Keys: AB, BC, BD,
Superkeys: AB, BC, BD, ABC,
ABP, BCP, ABCD Derived FOS: C->A CDA AB >7 ABC 7P ACT ABD-7C BCJD BCD -7-A BC >A BDAA **B**クサC



MABCTE Find all North Carolina State University, All Rights Reserved 278 + = 27

You never need to Submit trivial FTS assignment



R(ABCDE) AB-> DE CTE ヤナC EJA Project the FDS onto S(ABC)

