$a_2 b_1 c_2$ $a_2 b_2 c_2$

il 1-21/2/2012 20 20 20 20 20 20 - 10 10 00 00 00

 $R = \{A_1B_2C\}$ $S = \{A_1B_2C\}$

YUS ABC

a1 b1 c1

a2 b2 c1

a2 b2 c2

a2 b2 c2

r-s A B C a, b, c, a2 b, c2

- - (= | Vas| = | r| + | s |

1

Set operation?

A BC

az bzc,

VAS

Selection

Simple Selection (1 A - Selection (2

$$f_{A=\alpha}$$
 { ter | $f(A)=\alpha$ } (ACR) Simple-Selection

انعا - زو کومای و آلالی ای ایک سالطانی

tada (r) = {ter | T(A) Da} FAOB (r) = { TEr | T(A) O t(B) }



(Ju- ail: (Projection 16

// x (r) = X000 (- 60)

 $\Lambda_{A,B}(n = \frac{AB}{\alpha_1 b_1}$ arb. r (A,13,0) a, b, c, on bice a, b, a

 $b_{A=\alpha}(T_{\chi}(r)) = T(b_{A=\alpha}(r))$ ASX John

1 T (r) /= 11

V MS

Natural Join

r[ABB]s & - Join

Join)

(KINS) RAS # (1) 1 and GUI) Simple Join (1 Natural Join Y (A,B,C) 5 (C, d) a bici cy dy a, becz e, de az bz cj a, b, c, V KIS= a, b, c, d, a, b, a de a, b2 c2 d, 01, b2 9 d1 az bz a dz a, b, qd, a, b cide RMS={ (rxs) (xxs) cist-is finance AB CD 1xs = r (A,B) 3(90) gel, 0, 6, g of a, b, a, b, ad, a, b, a, bz ad, Gd, on be adi a, b3 ar by adi

Scanned by CamScanner

az b3 C2 d1

rMS = 4SMr S,b,b = b f(rMS) = d(r) rM d(s) A = a A = a A = a rM(SM4) = (rMS)M4 G,b,b = b $A \subseteq R,S$ $A \subseteq R,S$ G,b = b $A \subseteq R,S$ G,b = b G,S G,S

| rxs1= [r]: 1s] | rms| <= m1.1s1

r[AB]S A-Join r(A,B,C) S(DgE) rarectojs ABCDE a, b, 1 1 4 de b, 2 1 4 a, b, 13 l, 2 4 a, b, 23 l, a, b2 1 a, b2 12 l, 3 l, a, b, 4 a, b2 13 ly