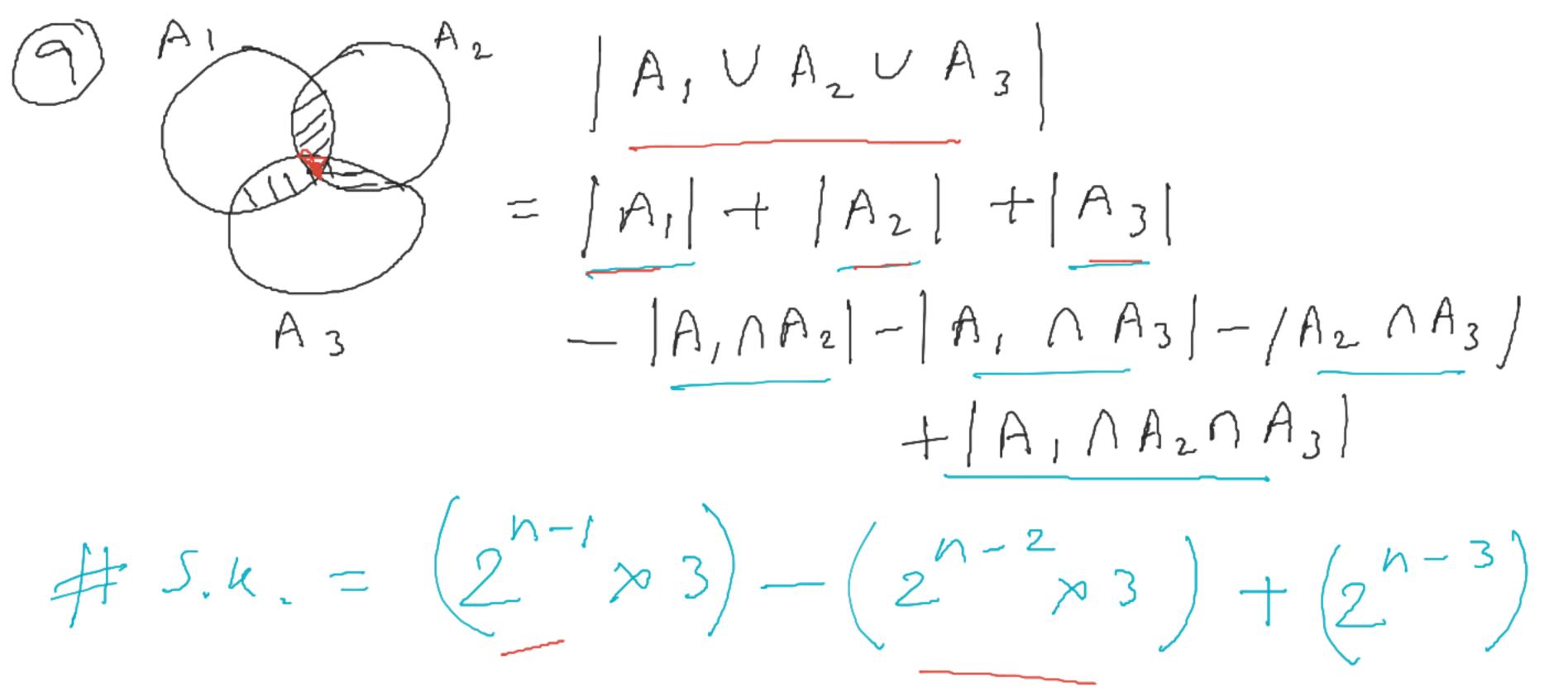
hold here 15hich FDs Y->W *→* 2 book (Dee No, Year, title) Aceno -> Year A001 -> 2015 r(a, a, a) Relation r has attributes a1, a2, a3. a1 is C.K. how many superkeys are possible? (2,12,1., an), fild my $m_{\gamma} \leq S, \alpha = 2^{h-1} / c.\alpha = \{\alpha_i\}$ (3) $\Upsilon(Q_1Q_2,Q_3,\dots,Q_n)$ C.K. = { a, a, 2, 23} # map S.a. = 2n-3

(3) $Y(a_1, a_2, a_3, \dots, a_k, a_{k+1}, \dots a_n)$ $C.k. = \{a_1, a_2, \dots, a_k\}$ $k \le n$ $k \le n$ C.k. = {a1}, {a2, a3} ## S. u. = Su of [2,7] + Su for [22,23] -5 k of {a, a, a, a, a, } $= 2^{n-1} + 2^{n-2} - 2^{n-3}$

(a) \{a, a2, a3, \cdot\} C.K. A, = { - - - } , Az = { - - - } $\frac{A_{1}}{A_{2}}$ # S, K. = | A, UA2 | = [A, I + [A2] - |A, NA2 | = Sh with A, + Sh with A2 - Sh with

[A, al Az) (7) N(a,,a,,a,) C.u. [a,,a2] and [a3,a4] # S, U. = Sufor[2,2] + Sufor [a3,24] $=2^{n-2}+2^{n-2}-2^{n-4}$

(8) Y (21, 22, ..., 2n) C.u.s a_1a_2 and a_1a_3 A_1 $=2^{n-2}+2^{n-2}-2^{n-3}$ $\left(\begin{array}{cccc} a_2 & A_2 \\ a_1 & a_3 \end{array}\right)^{A_2}$



(10) r(A,B,C,D,E,F,G,H) - 8 all Sute FDs: {CH >> G, A >> BG, B -> CFH, E-1A, F-> EG{ $\int \mathcal{L}(AD)^{t} = \{A, D, B, e, F, H, G, E\}$ $(ED)^{+}=\{E,D,A,B,C,F,G,H\}$

 $(BD)^{t} = \{B,D,C,F,H,G,E,A\}$ $(FD)^{t} = \{F,D,E,G,A,B,C,H\}$

C.K. = {AD, BD, ED, FD} 8 Als'6 A, A2 A3 A4 # S.K. = [A, UA2 UA3 UA4] = (A, + A2 + A3 + A4) - $\longrightarrow \left(A_{1} \Lambda A_{2} + A_{1} \Lambda A_{3} + A_{1} \Lambda A_{4} + A_{3} A_{4}\right) +$ (AINAZNA3+AINAZNA4+AINA3NA4 + A2NA3A4)

having count(CustomerID)>3;

SELECT count(CustomerID), country FROM Customers group by country having count(CustomerID)>3 order by count(CustomerID) desc;

https://www.w3schools.com/sql/sql_groupby.asp https://www.w3schools.com/sql/ SELECT count(CustomerID), country FROM Customers group by country having count(CustomerID)>3 and count(CustomerID)<10;

SELECT count(CustomerID), country FROM Customers where country="Brazil" or country="UK" group by country having count(CustomerID)>3 and count(CustomerID)<10;