Symmetrie Mansilier velexive, Vansiline Not satisfyrmetric because its Symmetrie. not transtre net chart in scool is Symmetre transitive not reflexive as one value must be of to be true not and symphic as its multiplication (is sympthic) Z sct y = 3g (5)

15 symphie is reblexive, is handilive so it is How went to get the state of AND AND SHOP 2, 3 {3,1}, {3,3}, {4,0}, {4,2}, {4,4}, 49. The set of Shalers Mat can do neither is a party as there we people he can do both and people she can't do both (and = 0). It the other 2 are not as there Can be overlag with flook that Speak a Gorgein translange 6. bother are partitions as there is no overlap (NZ n!NZ=Ø) (. None are partitions as there may be overly

6.a. is not a Canction as not all inputs have ortputs (o't is not present in first stat on relation) The Same calput. (-Z and -1 both output 1)
is not onto (course, the Ois B has no relation
in A (EA, B) to context) C. tynction is not invellable as its not 1 to 1 ([-2,1), (-1,1) when inverted gives (1,-1,(1,-2) which is not
a hunetion $7 \ 3(2^{n})-6 = 3(2^{i})+3(2^{2})+...+3(2^{n})$ base (ase: (n=1) 3(2")-6=0 3(2')=6 TH: K=n 3(21) +3(22) + 3(21) -6 IS: (K+1) 3(1)-6 - MOVES MEBERS) 115 1949 = 3(2000) 107 36 (1000) 10-6 - 12(20) 6 IS(A-K+1) BAB RHS $3(z')+(3(z^2))+1+3(z^{k+1})=+3(z^k)+3(k+1)$ $= (3(2^{k+1})-6) + 3(2^{k+1})$ $= (6 \cdot 2^{k+1}) \cdot (6 \cdot 2^{k+$