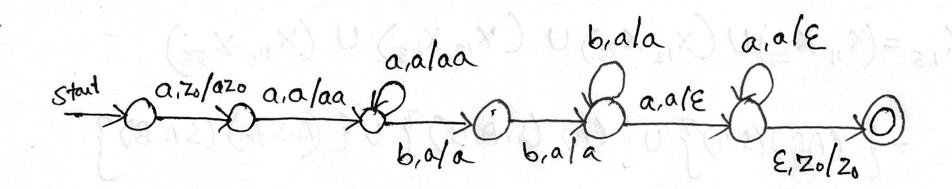
An to & No - 5



Am. to Q No - 4 (a)

A.S				D2 (N
A,S	A,S]		
A,S	A,S	S.A.B		
A	S,A	S,A,B	S,A,B	j (er
A,B	S,A	AIB	A,B	AB
a	6	a	a	a

Yes, the string 'abaaa' belongs to the language as S is present in the 15 box.

= fino control o temo (no)

(AS, AR AB BS, BA BB, SASA, AA, AB BA BA BB

刊的3 =

 $X_{1,5} = (X_{11} X_{25}) U (X_{12} X_{35}) U (X_{13} X_{45}) U (X_{14} X_{55})$ $= \{ (A,B)(S,A) \} U \{ (A) (S,A,B) \} U \{ (A,S,A) (S,A,B) \}$ $U \{ (A,S)(A,B) \}$

= AS, (AA), BS, BA, AS, AA, AB, AB, SS, SA, SB, AA, AB, SB, SA, SB

= A,S

X₂₅ = (X_{2,2} X₃₅) U (X₂₃ X₄₅) U (X₂₄ X₅₅)

= {(S,A) (S,A)B)}U{ (S,A), (S,A,B)}U{ (A,S) (A,B)}

PA, AB, SA, SB

= A, S

X 3,5 = (X33 × 45) U (× 34 × 55)

= {(A,B)(S,A,B)} U {(S,A,B)} (A,B)}

Z & AS, AA, AB, BS, BA, BB, SA, SB, AA, AB, BA, BB

= S, A,B