F 80 -11 Regular # Regular danguages :to veral languages are NOT Regular? La largrage is said to be in Regular dangrage if and energy if some few recognises it. 1 (i) languages varien are not reaguest (ii) nopier require morrory on by (Not Regular) ababb abarb Int tegular same : need to semeneber >> Memory of FSM is very limited you nos memory to store so trees it sem be repeated for b's to be made

of operations on Regular Languages: (3) Star - A* = {x, x, x, x, x, \(\frac{1}{2}\) \(\frac{1}{2}\) and each x, \(\frac{1}{2}\) 2 romateration - AOB: {xy | x EA or x EB} O Union - AUB = { x | x eA or x eB}

Regular Enjoyeesions

Egs1) -> A={pq, r}, B={t, uv} NOB = { pq, r, t, uv} Lux etx, rupg etpq } = 808

4x = EE, Pa, x, Par e rade e roger cos e 3 } = x

Treoren !:- The does of legisles languages is Theorem ?: - The class of RL is closed under CONCATENATION .

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