Reguler Operations The class of regular languages is closed under union or-Aos = Aos

With all U, *, 0 = \(\) [Alphabet \)

You can create all Regular Longueges

Regular longueges are closed under

(equilar operations

CONCATENATION (°)

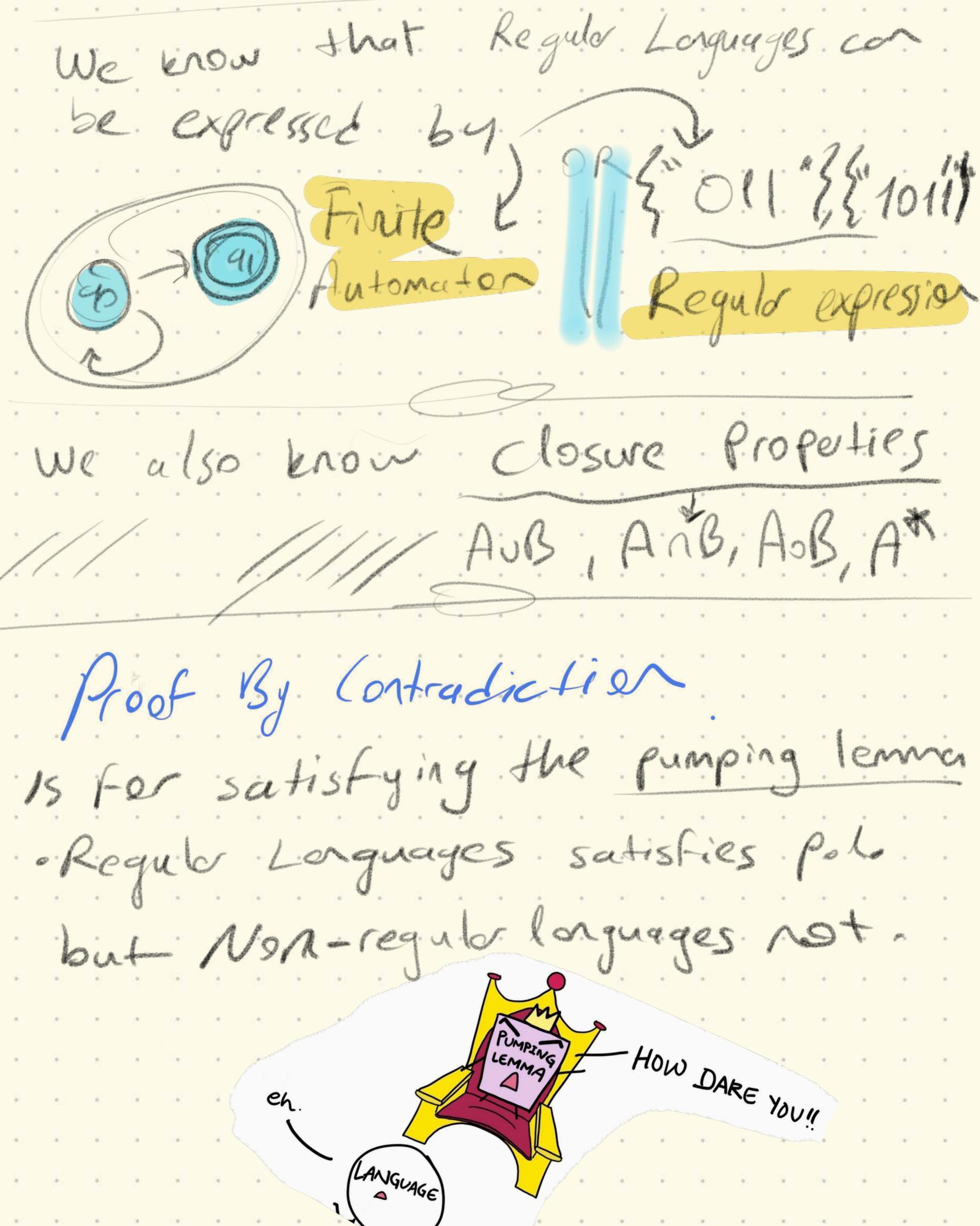
A o B = {mangagreen, mangaarange}, orangegreen, orangeorange}

KLEENE STAR (*)

Concatenate together strings in the language ZERO or more times

= { Orange, mango, orangeorange, orangemango, mangoorange, mangomango, orangeorangeorange, orangemango orange

PUMPING LEMMA: ALL STRINGS IN THE LANGUAGE CAN BE REPEATED - "PUMPED"-IF THEY ARE AT LEAST AS LONG AS A CERTAIN LENGTH, THE PUMPING LENGTH.



B= 201/ 1>03 15 this longuage réguler et nor-regula? Try yourself

Answer Let's see if this language satisfies the pumping lemma so we have xy'z rule in pl. 19150 and 1xylsp. 201 => 0.0000.0°1 € B (rum of 1) BOPER = >0PR (11141 -> & B (num of 1> of ! longuage is