This is a contradiction, which means that Ea is undecideble

then Il satisfies the property and II doesn't 2) Undecedable: Let S= set of Turing recognisable and decidable languages

[(T1) is any decidable language and UTZ) is

any recognisable, but not decidable language. L(T1) is

in the set, but L(TZ) is not. 3) Undecidable: Not a language property. Rice's theorem cannot be applied 4) Undecidable: Let 5= set of turing-rerognizable languages that have 100 string 11= a\* [1]= 2a, ca, aaq .... (100 a's) }, [] is in the Set, but LT is not. 5) Decidable: No language can have a negotive amount of strings 6) Undecidable: Let S= Set of languages that satisfy { L(M): Whit contains wy.

L1= {aa, bb, aba, bab, bababy, L2= {ab, ba, bbay.

L1 is in S, but L2 is not.