Vocabulary and Grammar of SL Friday, September 15, 2023 Vocabulary of SL (Sentential Logia) · Senteuces (senteuce letters) · Can have subscripts if more are needed · Troth-Functional Connectives Truth value of rewlting 13 entroly · Canfunction dependant on Import values · Dizjunetru and Troth Table of · Condition · Negation · Brandtrack · Vunctuation (,) Stammer et St sentence, atomic or molecular · Every sentence letter 13 h Sentence sentence, 30 is ~P. P and Q me sentences, then P,Q,PoQ, and P30 me all sentences. · Nothing is a sentence unless it can be reduced to atomic sentences according to these rules. Man Convective · Determinas what kind of sentance a · DerAmmes, M the end, the Troth vale sentance B. ot a sentence. definition . It P is atomic, it has no main connective. a IP P is the negotion of another sentence, P's main connective 73 w. · BP P 13 QAR, OuR, OoR, Q=R, Hon that corrective is the man connective. Main connective is negation $0 \left(\sim \left(\left(D = F \right) \vee M \right) \right)$ · Truth-value 13 dependent on not D Af and only Af For M the input and output of the n. ((D=P) v M) >> Man connective is disjunction. (D=F) -> Main connective is broadfronal assign ment wah

Truth Value

assignment out of

8 possible

CT) = F

Civen these truth-values this sentence

as a whole is false.