

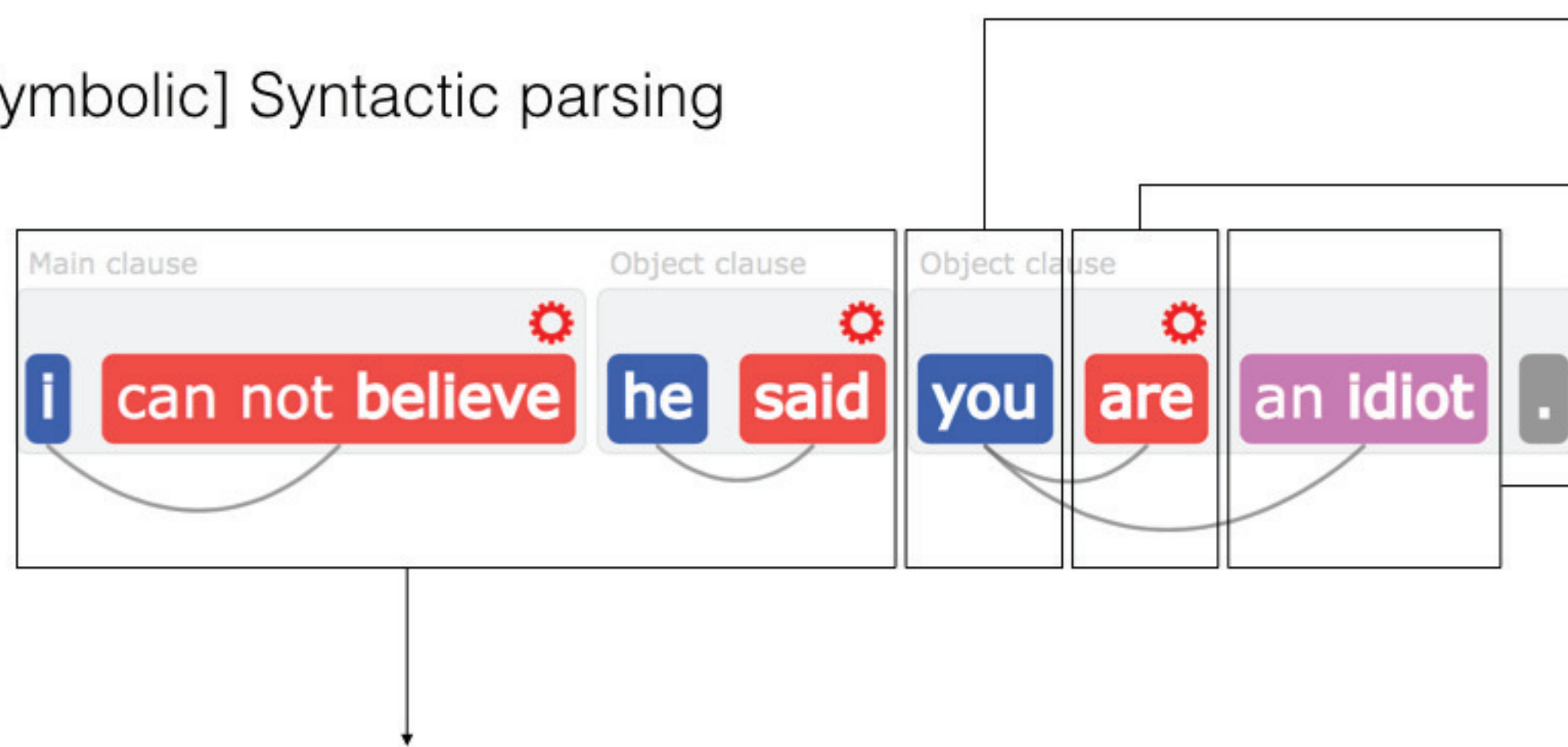
Input text:

ccant believ he sad ur an id10+...!

#1: [Symbolic + Statistical] Normalization + Correction + Transformation (e.g. coreference resolution)

i can not believe he said you are an idiot.

#2: [Symbolic] Syntactic parsing



#3: [Symbolic] Identifying second person: *"you"* (subject)

#4: [Symbolic] Identifying relation: *"to be"* (predicate)
+ no negation

#5: [Symbolic / Statistical] Recognizing if a related phrase or clause is abusive: *"an idiot"* (complement phrase, abusive)

#6: [Symbolic] Verifying if a detected attack is not nested within a contradicting utterance: *"he said"* (dependent clause, reported speech) + *"i can not believe"* (main clause, potential counterfactual expression)

#7: [Symbolic] Final decision (+ comparison to state-of-the-art statistical approaches)

Text	Samurai	System A	System B	System C
i can not believe he said you are an idiot.	NO VIOLENCE SEEMS WRONG?	VIOLENCE 0.96	VIOLENCE offensive: 0.99	VIOLENCE cyberbullying: 1.00