Review of Closure, Non-Closure Properties; Let L1, L2 be Non-Regular CFLs; R1, R2 be Regular; Answer is about S

Definition of S / Characterization of S	Always Regular	At worst a CFL	Might not be CFL
S = R1UR2	X		
S = R1 ∩ R2	X		
S = Complement of R1	X		
S = Reversal of R1	X		
S = L1UL2		X	
S = L1 ∩ L2			X
S = Complement of L1			X
S = Reversal of L1		X	
S = R1/R2	X		
S = L1/R1		X	
S = L1 – R1		X	
S = R1 - L1			X
S = max(R1)	X		
S = min(R1)	X		
S ⊊ R1			X

Review of Closure, Non-Closure Properties; Let L1, L2 be non-Regular CFLs; R1, R2 be Regular; Answer is about S

Definition of S / Characterization of S	Might be Regular	Might be non-reg, CFL	Might not be CFL
S = L1UR1	X	X	
S = L1UL2	X	X	
S = L1 ∩ R1	X	X	
S = L1 ∩ L2	X	X	X
S = Complement of L1		X	Х
S = Reversal of L1		X	
S = L1/R1	X	X	
S = L1 – R1	X	X	
S = R1 - L1	X	X	Х
S = max(L1)	X	X	Х
S = min(L1)	X	X	Х
S ⊊ L1	X	X	Х