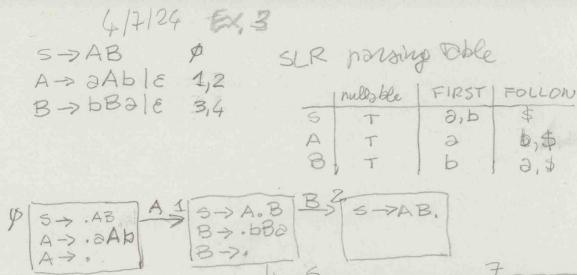


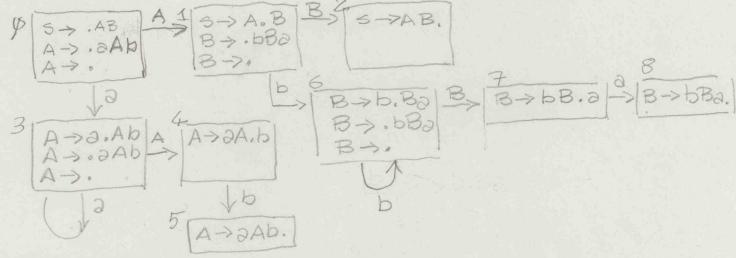
4/7/24 EX.2 doiskod|i=1, k>2, j>1, i+j=K, Koddy $i+j=K \wedge i \text{ odd } \wedge K \text{ odd } => j' \text{ even } (j>2, K>3)$ 0i+kod=0i+j+jod=0i+j+jod=0i+j+jod A B

 $5 \rightarrow AB$ $A \rightarrow 0 \times 1$ $X \rightarrow 0 A 1 18$ $B \rightarrow 1 Y 0$ $Y \rightarrow 1 B 0 | 10$

Oftenuative solution for s and B

A-> 00 AM 101 B-> 91800 1100





	Action			600		
state 7	3	b	\$	5		B
0	(59)	r2	rz		1	
1	r4	56	14			2
2			200			
3	53	Y2	r2		4	
4		55	M			
5		P1	V4			7
6	14	56	14			
7	58		13			
8	r3		(2)			
	- 1200					

the grammer is SLR become the SLR harsing sable has no conflict.

the grammar is not LR(0) because the LR(0) because the LR(0) parsing toble has conflicts, for example in state o we would have 53/12 for sybol A conflict/reduce unflia)

4/7/24 Ex. 4

A publem is undecidable if there is no algorithm that can solve it for any possible input.
Two examples of undecidable problems are

and the problem of telling if a context free grammar is inherently ambiguous or not.