Exercise 1.	Let S	be a stack	and consider	the history \hat{H}	

p1:	S.push(b)		$S.pop \rightarrow b$		
p2:		S.push(a)			

- · A complete listopy it is timeseighter if I S requestion s.t.
- · A complete listony W is requestible if I S requestion s.t.
- 1) Yi . Ŝ|X; E somantics (Xi)
- 1) ti. ŝ|X; & semantics (Xi)
- 2) Ypj. HIP; = SIPS
- 2) Ypj. Ĥ|Pj = Ŝ|Pj
- s) → ⊆ →s
- 3) pue 5 P5

A is sequentially committent:

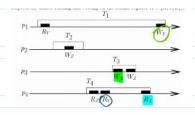
S=5. pure (a) <5 5. purk (b) <55. pop → b

H is not limeariolde, since we have to ensure that:

rat[S. push(b)]<+ inv[S. push(a)]<+ roso[S. push(a)]<+ inv[S. popl)-ob] populy 3

but it leads to conflict with @ (the stock follows a LIFO)

Exercise 2)



1) bo this occurs opaque? The presence of T4 makes this history not apaque. Ty loo to be abouted because the tex happens after the (by Ts)

read-pref (Ta)= { Rz, Ry }

It's not apaque: Te < Te < reobjudix (Tu) < T3



It is virtual consistent:

- · total and. on the committed trans in TexTexT, o partial order in Textend profix (Ta)

