LN 9.2	•			0
O F	orward price	K/.		
2 1	alue of a fora	vard Contra	et VL	
	7			
0 K=				
CI). (ho	invone Portfolio A	}	Portfolio B.	
t=0.	St. long forward	d contract	buy one unit.	
	to buy one * Tovest \$ K.	e-ST-cost	(\$50)	, , , ,
(t=T)	1 * Pay K to	get one unit of s	+ . Done	Unit of
, ,	1 + \$ k.e-st	e87=\$k	S (.ST	r) SITA
			STTO	6.6
	ST + C.	es(T-ti)		
	k.e = So	=) [k=	So.est	
	A		B	
(t=0)	long forward to buy on	Contract	borrow\$So	
	to buy on	e S	to buy one.	S
t=T	pay \$1< to	get one S	repay\$Soes	T
	k = 5.08	Γ	have one	5)

$$T = \frac{1}{2} \text{ /rs.}$$

Sol.
$$K = S_0 e^{S_T} = S_0 \cdot (H_T)^T = S_0 \cdot (H_9\%)^{\frac{1}{2}}$$

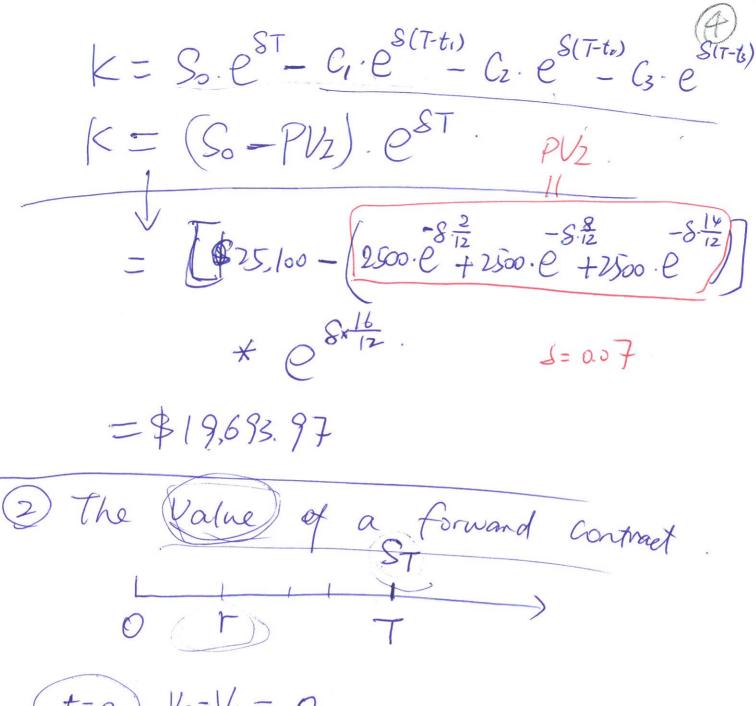
$$k = S_0 \cdot e^{ST} - C \cdot e^{S(T-t_1)}$$

$$= l_{0,040} \cdot e^{0.07 \cdot \frac{t}{2}} - l_{000} \cdot e^{0.07 \cdot (\frac{t}{2} - \frac{2}{12})}$$

$$= 9374$$

$$=> k = S_0 \cdot e^{ST} - (PV_2) \cdot e^{ST}$$

$$C = 50,000 \times \frac{0.1}{z} = $2500$$



$$(t=0): V_S=V_L=0$$

 $(t=T): V_L=S_T-K:=long.$
 $V_S=K-S_T:Short$