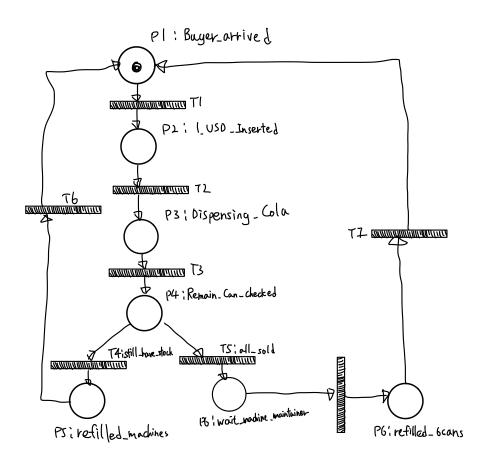
Question 1 Answer	Student I.D. No.:	1155116317
(1) ①Budget; ②	project;	quality
(2) (4)what; (5)	_how	
(3) 6 user-friendliness;	_; ⑦ understandability	; (8) visibility
(4) 9; 10;	internal	
(5) ①; ②	adaptive; (	gperfective
(6) (4)separation of concerns	; (15)incrementality	·
(7) 16 separation of concerns;(8)Abs	; ① traction	
(8) (9)cohesion; (20	coupling	

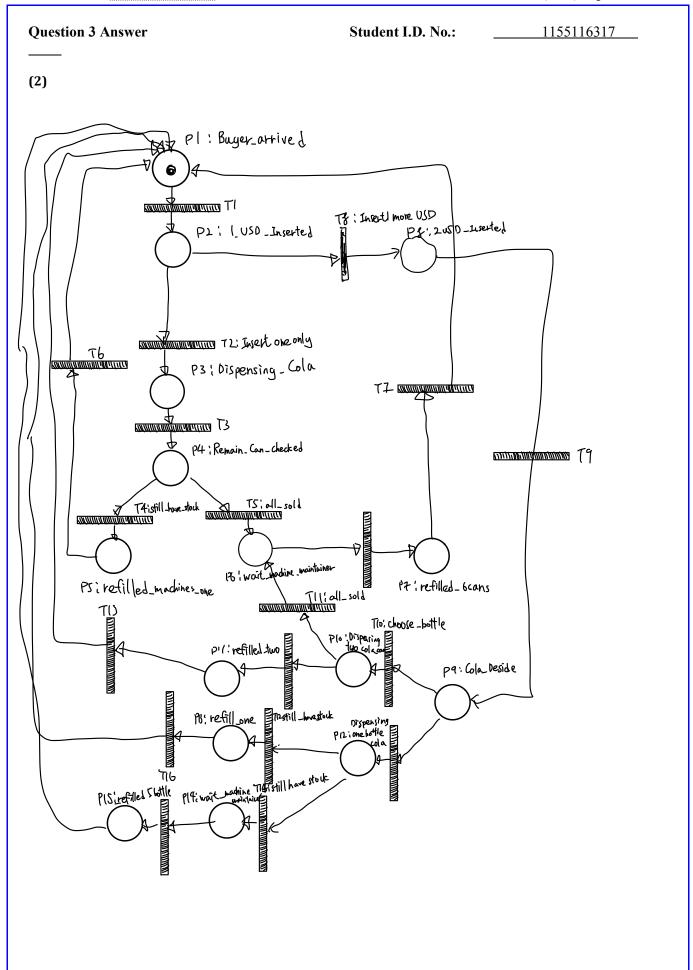
Question 2 Answer	Student I.D. No.:	1155116317
<b>(1)</b> ①informal	; ②semi-formal; ③	formal
(2) ④top-down	; ⑤incrementyality	
(3) 6	; ⑦	
(4) 8inherutance 10aggregation	;	
(5) (1)	; (12; (13)	
(6) (14)C1	; (IS)C1,C5; (16)true	<del>.</del>
(7) ①11.65hour	; (18)97.08%	

Question 3 Answer Student I.D. No.:

1155116317

**(1)** 





7\_\_\_\_;

Question 4	l Answer		Student I.D. No.:	1155116317
(1) ①	i1>i2	; ②	i1i	;
3	11	; ④	i	_ <i>i</i>
(5)	a[j]	; ⑥	leftMax	;
7	i	; (8)	n	;
9	a[k]	; 10	rightMax	
(1)	min( leftMax, riį	ghtMax) - a[i]		
(2) ①	l < r	; ②	_a[l]	;
3	leftMax - a[l]	;	(4)l+1	;
(5)	a[r]	; 6	rightMax - a[r]	;

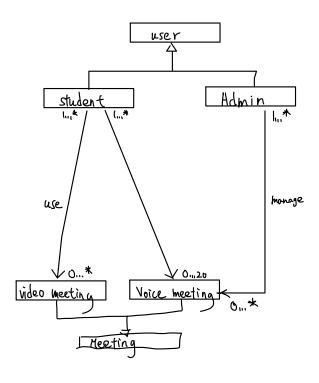
Question 5 Answer	Student I.D. No.:	1155116317
①expression[i]	;	
②expression[i]	;	
③right	;	
④left	;	
⑤op	;	
6operand_stack	;	
7operate(left, right, op)	;	
8operand_stack.top()		

**Question 6 Answer** 

Student I.D. No.:

1155116317

(1)

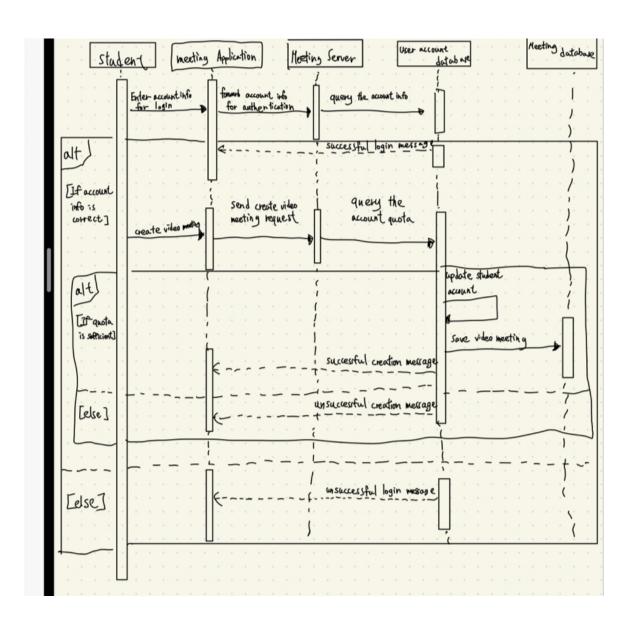


**Question 6 Answer** 

Student I.D. No.:

1155116317\_\_\_\_\_

**(2)** 



```
Student I.D. No.:
Question 7 Answer
                                                                                  1155116317
(1)
COUPON = 0.
BASE_COUPON_PERCENT=1.
DISTANCE_COUPON_PERCENT=0
IF FINISH = TRUE
     DISTANCE_COUPON_PERCENT = DISTANCE_COUPON_PERCENT + 0.1.
IF OBESE = TRUE
     DISTANCE_COUPON_PERCENT= DISTANCE_COUPON_PERCENT + 0.05.
     BASE_COUPON_PERCENT= BASE_COUPON_PERCENT + 0.1
IF AGE >=10
     COUPON = COUPON + 100.
     DISTANCE_COUPON_PERCENT= DISTANCE_COUPON_PERCENT+0.1.
     ELSE
     GO TO CALUCATION
IF AGE >=20
     COUPON = COUPON + 100.
     DISTANCE_COUPON_PERCENT= DISTANCE_COUPON_PERCENT+0.05
     ELSE
     GO TO CALUCATION
IF AGE >=30
     COUPON = COUPON + 100.
     DISTANCE_COUPON_PERCENT= DISTANCE_COUPON_PERCENT+0.05
     ELSE
     GO TO CALUCATION
IF AGE >=40
     COUPON = COUPON + 100.
     DISTANCE_COUPON_PERCENT= DISTANCE_COUPON_PERCENT+0.05
     ELSE
     GO TO CALUCATION
IF AGE \geq =50
     COUPON = COUPON + 100.
     DISTANCE_COUPON_PERCENT= DISTANCE_COUPON_PERCENT+0.05
```

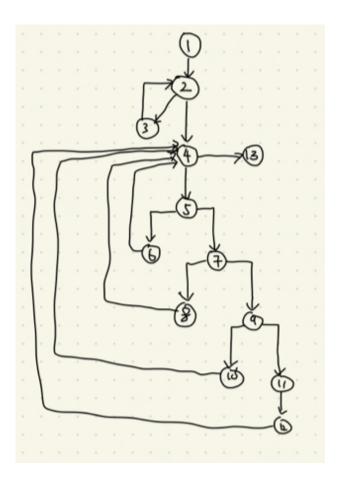
Course Code 科目編號:CSCI3100	第 頁 (共 頁) Page 10 of 13	
ELSE		
GO TO CALUCATION		
GO TO CALUCATION		
CALLICATION COLIDON COLIDON * DAGE COLIDON DEDGENT : A CH. DICTANCE *	DISTANCE COUDON DED CENT	
CALUCATION: COUPON = COUPON * BASE_COUPON_PERCENT + ACH_DISTANCE *	DISTANCE_COUPON_PERCENT	
END		
(0)		
(2)		
My program is write like stepwise statement which is relatively easy to write and can do top down testing because each part of code belong to one policy to the marathon.		

**Question 8 Answer** 

Student I.D. No.:

1155116317

(1)



(2)

(2) Predicate Node: 5
regions: 5
V[G] = E-N+2=P+1=6

**Question 8 Answer** 

**Student I.D. No.:** 

1155116317\_\_\_\_\_

(3)

(3) 1,2,4,5,6,4,13  $(,2,3^{\frac{1}{3}},4,5,6,4,13)$  1245784,13  $123^{\frac{1}{2}}45784$   $123^{\frac{1}{2}}45784$  124579104 124579104 124579104 124579104 124579104 124579104

(4)

(5)

\_\_\_\_

strategy	
arithmetic expression with integer	1+2, 3-4, 5*6
arithmetic expression with float	1.1+2.2, 3.3-4.4,5.5*6.6
arithmetic expression with integer and float	1+2.2, 3.3-4, 5.5*6
arithmetic expression with priority (/ +- vs */)	1/2+3*4
arithmetic expression with division (output exist)	1/2, 3/4
arithmetic expression with division (output non exist)	1/0
arithmetic expression with parenthesized unitary operators	<u>(+1)+(-2.2)</u>
arithmetic expression with multiple different blanket	<u>{([1+2]*3)/4}</u>
arithmetic expression with priority (blanket + operator)	1/(2+3)*4