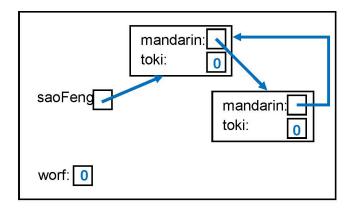
Name:	PID:	

Problem 1	1 points for each correct; 0 points for blank or incorrect

1.1 (a) ____T___ (b) ___F___ (c) ___T___ (d) ___F___ (e) ___F___

1.2. (a)



0.5 points for each correct entry0 points for blank or incorrect

Total = 6 * 0.5 = 3 points

(c)

1 points for each correct; 0 points for blank or incorrect

A. worf B. worf or saoFeng C. mandarin D. 0 E. worf

Problem 2

1 points for each correct; -1 points for each incorrect Total = 0 if negative marks. Max = 4 points

2.1 (a) _____a, ape, eat, set _____

2.2 (a) _______ (b) ______-1 _____

1 points for each correct0 points for blank or incorrect

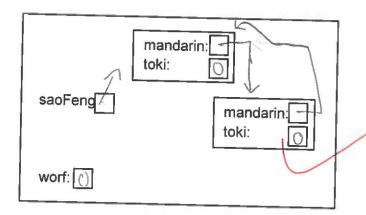
Problem 3	(x) points for each correct; 0 points for blank or incorrect	
3.1 (a)	_O(ND) or O(N)_(0.5) (b)O(D)(1) (c)O(ND) or O(N)(0.5)	
3.2 (a)	0.5 points for each correct. 0 points for incorrect (b) (c) (d)	-
3.3	(1+2+3+(n-1)+n)/n = (n+1)*n/2/n = (n+1)/2 = O(n)	
	2 points for correct formula (either the series expanded or the simplified one)	
	0 points for blank or incorrect 1 points for just writing O(n) or n or (n + 1)	

Name:PID:

Problem 1



1.2. (a)



(b) False

(c)

A. Work B. Sableng C. mandarin D. O E. Work

Problem 2

(b) 50p

Problem 3	
3.1 (a) O(N) (c) O(N)	
3.2 (a) (b) (c)	1)
3.3 The formula for the average (ase running time is $\frac{1+2+3+1}{2} = \frac{(n+1)(n)}{2} = \frac{n+1}{2} = O(n)$	

Name:PID:
CSE 100 Midterm 1 Answer Sheet Winter 2017 Version A
Problem 1
1.1 (a)
1.2. (a)
mandarin: toki: mandarin: toki: worf:
(b) <u>F</u>
(c)
A. worf B. Shofen C. Mandarin D. O E. Worf
Problem 2
2.1 (a) a, ape, eat, set

___ (b)_

Problem 3

- 3.1 (a) 0(N) (b) 0(D) (c) 0(N)
- 3.2 (a) _____ (b) ____ (c) ____ (d) ____
- 3.3 there are n elements, each one takes k comparisons to find

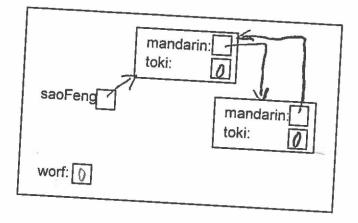
(2011 parisons = $\frac{1}{n}(1+2+3+1+6-1)+10 = \frac{n(n+1)}{2n} = \frac{n+1}{2} = O(n)$

Name:		
	PID:	

Problem 1

5 1.1 (a) True (b) False (c) True (d) False (e) False

10 1.2. (a)



(b) False

(c)

A. worf B. Saofeng C. Mandarino. nullptr E. Worf

Problem 2

(b) 35p -2

Problem 3 $\frac{2}{2}$ 3.1 (a)	(b) (c) (d)	
2 3.3	1+2++(n-1)+n	

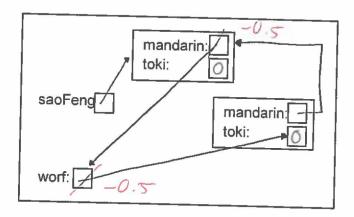
Name:	
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CSE 100 Midterm 1 Answer Sheet Winter 2017 Version A

Problem 1

1.2. (a)



(b) False

(c)

A. Worf B. SaoFeng C. mandarin D. O E. Worf

Problem 2

2.1(a) a ape, eat, set

(b) 9p - 2

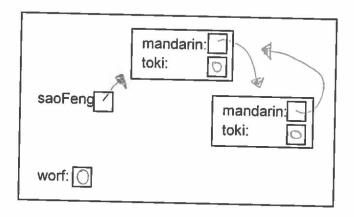
2.2 (a) _____ (b) _____

Problem 3

st.		
Name:	PID:	



1.2. (a)



(b) False

(c)

A. wrf B. stoleng C. margin D. D. E. wrf

Problem 2

21 (a) G, Gpe, eat, set

21 (a) P=9

2.2 (a) (b) -

Proble	em 3		- (-)		0(0)			
3.1 (a)	D(n)	(b)_	(O(D)	(c)	O(n)			
3.2 (a)		(b)_		(c)		(d)		_
3.3	Avong aming the	o for 1	Whe I chief	In a lit :	d'n'elorat	; ·		
		<u></u>						
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	r box	t ladar	o travel to go.	to la desi	a epul-	- race is just -	L commin, I'm e). I'm 3. ~;
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