- 1. n >= 10
- 2. 1
 - -2

 - -1

 - x1 = -1
 - x2 = 1
 - x3 = 2

3.						
	3a					
				17		
			12			4
	2		9		3	
			9		3	
	3b					
				12		
			9			4
	2		3			
	3c					
				18		
			9			12
	2					12
	2		3		4	
4.	d	2	Dinary Coard	h Troo		
		a. b.	Binary Search Tree Heap, Binary Search Tree, AVL			
		c.	AVL			
		d.	Heap, AVL			
		e.	Binary Search Tree, AVL			
5.		f.	Binary Search Tree, AVL			
٥.		a.	x = 2y			
			y >= 3,000,000 per day			
			x <= 6,400,000			
			maximize 1.9x + 1.5y			
			x = 6,400,000 gallons of gasoline $y = 3,200,000$ gallons of fuel			
		b.	•			
		•	8x + 12y >= 24			
			12x + 12y >= 36			
			2x + y >= 4			
			minimize 0.2x + 0.3y			

x = 3y = 0