

Email: rrf2c@virginia.edu  
 Age: 30  
 Gender: Male  
 Occupation: Scientist  
 Prog.Exp.: 3  
 Comp.Exp.: T T T T T T F

Email: jamiegirard94@gmail.com  
 Age: 20  
 Gender: Female  
 Occupation: Unemployed  
 Prog.Exp.: 3  
 Comp.Exp.: F T T T F F F

Email: for\_beermoney@mail.ru  
 Age: 30  
 Gender: Male  
 Occupation: IT Freelance  
 Prog.Exp.: 4  
 Comp.Exp.: T T T T T T T

Email: Yes, I agree  
 Age: 30  
 Gender: Male  
 Occupation: insurance  
 Prog.Exp.: 1  
 Comp.Exp.: F F T F F F F

Email: justncredabl@aol.com  
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 Gender: Male  
 Occupation: it sales  
 Prog.Exp.: 3  
 Comp.Exp.: F T T T F T T

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 Age: 30  
 Gender: Male  
 Occupation: Escrow Admin  
 Prog.Exp.: 1  
 Comp.Exp.: F F T T T F F

Email: mattwillmart@gmail.com  
 Age: 30  
 Gender: Male  
 Occupation: Network Engineer  
 Prog.Exp.: 3  
 Comp.Exp.: F T T T T T T

Email: ehetzal@vt.edu  
 Age: 20  
 Gender: Female  
 Occupation: Office Manager  
 Prog.Exp.: 1  
 Comp.Exp.: F F T T T F T

Email: heyndrix@gmail.com  
 Age:  
 Gender: Female  
 Occupation: microbiologist  
 Prog.Exp.: 1  
 Comp.Exp.: T F T T F F F

Email: mrnapiah@yahoo.com  
 Age: 40  
 Gender: Male  
 Occupation: Software Developer  
 Prog.Exp.: 3  
 Comp.Exp.: T T T T T T T

Email: waitsa@gmail.com  
 Age: 30  
 Gender: Female  
 Occupation: Pharmacist/Manager of a Regional Department  
 Prog.Exp.: -1  
 Comp.Exp.: F T T T F F T

Email: swgjaybee@hotmail.com  
 Age: 40  
 Gender: Male  
 Occupation: Project Engineer  
 Prog.Exp.: 4  
 Comp.Exp.: T T T T T T T

IN	1
OUT	2

IN	1
OUT	2

IN	1
OUT	2

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IN	1
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IN	1 and 2
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IN	1 2
OUT	

IN	1 + 2
OUT	

IN	1 + 2
OUT	

IN	2
OUT	

IN	1
OUT	

IN	1
OUT	2

IN	1
OUT	2

IN	1
OUT	2

IN	5
OUT	6

IN	1
OUT	2

IN	1	2
OUT	2	3

IN	1	6	-10	0	-1
OUT	2	7	-9	1	0

IN	3	99
OUT	4	100

IN	1	2
OUT	2	3

IN	1	
OUT	2	

IN	1	1
OUT	2	2

IN	3	4	6
OUT	4	5	7

IN	1	2
OUT	2	3

IN	1	3
OUT	2	4

IN	1	+
OUT	2	

IN	1	3
OUT	2	4

IN	1	2	101
OUT	2	3	102

IN	2
OUT	3

IN	3
OUT	4

IN	3	4
OUT	4	5

IN	5	7
OUT	6	8

IN	1	2
STEP	2	3
OUT	4	6

IN	1	0	5	-7
STEP	2	1	6	-6
OUT	4	2	12	12

IN	1	0	5	9
STEP	2	1	6	10
OUT	4	2	12	20

IN	1	
STEP	2	
OUT	4	

IN	1	3
STEP	2	4
OUT	4	

IN	1	3
STEP	3	4
OUT	4	

IN	1	3
STEP	2	4
OUT	4	

IN	1	3
STEP	2	4
OUT	4	8

IN	1	2	4
STEP			
OUT	4	6	10

IN	1	2	4
STEP			
OUT	4	4	10

IN	1	2	3
STEP			
OUT	4	4	8

IN	1	2	3	4	5
STEP					
OUT	4	6	8	10	12

IN	1	2	3	4	5
STEP	2	3	4	5	6
OUT	4	6	8	10	12

IN	1
STEP	2
OUT	4

IN	1	1
STEP	2	2
OUT	4	4

IN	1	2
STEP	2	3
OUT	4	6

IN	1
STEP	2
OUT	4

IN	1	10
STEP	2	11
OUT	4	22

IN	1
STEP	2
OUT	4

IN	1
STEP	3
OUT	4

IN	1
STEP	1
OUT	4

IN	1
STEP	4
OUT	4

IN	1	2
STEP		
OUT	4	3

IN	1	2
STEP		
OUT	4	4

IN	1	3
STEP		
OUT	4	5

IN	1	6
STEP		
OUT	4	14

IN	1
STEP	2
OUT	4

IN	1	3
STEP	2	4
OUT	4	8

IN	1
STEP	2
OUT	4

IN	1	3
STEP	2	4
OUT	4	8

IN	1
STEP	1
OUT	4

IN	1	101
STEP	1	1
OUT	4	204

IN	1	101
STEP	1	1
OUT	4	202

IN	1	101
STEP	1	1
OUT	4	202

IN	1	101
STEP	1	1
OUT	4	202

IN	1	101
STEP	1	1
OUT	4	202

IN	1
STEP	1
OUT	4

IN	1	3
STEP	1	1
OUT	4	8

IN	1	3
STEP	1	4
OUT	4	8

IN	1	3
STEP	1	4
OUT	4	8

IN	1
STEP	1
OUT	4

IN	1
STEP	2
OUT	4

IN	1
STEP	1
OUT	4

IN	1	1
STEP	1	0
OUT	4	2

IN	1	1
STEP	1	1
OUT	4	2

IN	1	1
STEP	1	2
OUT	4	3

IN	1	1
STEP	1	2
OUT	4	6

IN	1	1
STEP	1	1
OUT	4	6

IN	1	2
STEP	1	1
OUT	4	6

IN	1	3
STEP	1	1
OUT	4	6

IN	1	1
STEP	1	1
OUT	4	4

IN	1	1
STEP	1	1
OUT	4	4

IN	1	1
STEP	1	1
OUT	4	4

IN	1	1
STEP	1	1
OUT	4	4

IN	1	1
STEP	1	2
OUT	4	4

IN	1	1
STEP	1	2
OUT	4	6

IN	1	1
STEP	1	3
OUT	4	6

IN	1	1
STEP	1	4
OUT	4	6

IN	1	1
STEP	1	3
OUT	4	6

IN	1	1
STEP	1	2
OUT	4	6

IN	1	1
STEP	1	2
OUT	4	6

IN	1	1
STEP	1	2
OUT	4	6

IN	1	1
STEP	1	2
OUT	4	6

IN	1	1
STEP	1	3
OUT	4	6

IN	1	1
STEP	1	1
OUT	4	4

IN	1	0
STEP	1	1
OUT	4	2

IN	1	1
STEP	1	0
OUT	4	2

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STEP	1	0
OUT	4	2

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STEP	1	0
OUT	4	2

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OUT	4	2

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OUT	4	2

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OUT	4

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STEP	1
OUT	3

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OUT	4

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OUT	4

IN	1
STEP	2
OUT	4

IN	1	2
STEP	2	3
OUT	4	6

IN	1
STEP	2
OUT	4

IN	1	3
STEP	2	4
OUT	4	8

IN	1	5
STEP	2	6
OUT	4	12

IN	4	3	5
OUT	15	6	24

IN	4	3	5	6
OUT	15	6	24	35

IN	4	4	5	6
OUT	15	15	24	35

IN	4	3	5	6	2	1	0
OUT	15	6	24	35	3	0	0

IN	4	3	5	6	2	1	0
OUT	15	6	24	35	3	0	0

IN	4	3	5	6	2	1	0	7	8
OUT	15	6	24	35	3	0	0	48	63

IN	4	3	5	6	2	1	0	7	8
OUT	15	6	24	35	3	0	0	48	63

IN	4	3	5	6	2	1	0	7	8
OUT	15	6	24	35	3	0	0	48	63

IN	4	3	5	6	2	1	0	7	8	10
OUT	15	6	24	35	3	0	0	48	63	99

IN	4	3	5	6	2	1	0	7	8	10	11
OUT	15	6	24	35	3	0	0	48	63	99	120

IN	4	3	5	6	2	1	0	7	8	10	11
STEP	3	4									
STEP	5	2									
OUT	15	6	24	35	3	0	0	48	63	99	120

IN	4	3	5	6	2	1	0	7	8	10	11
STEP	3	4	4	5	1	2	1	6	9	11	12
STEP	5	2	6	7	3	0	-1	8	7	9	10
OUT	15	6	24	35	3	0	-1	48	63	99	120

IN	4	3	5	6	2	1	0	7	8	10	11
STEP	3	4	4	5	1	2	1	6	9	11	12
STEP	5	2	6	7	3	0	-1	8	7	9	10
OUT	15	6	24	35	3	0	-1	48	63	99	120

IN	4	3	5	6	2	1	0	7	8	10	11
STEP	3	4	4	5	1	2	1	6	9	11	12
STEP	5	2	6	7	3	0	-1	8	7	9	10
OUT	15	8	24	35	3	0	-1	48	63	99	120

IN	4	3	5	6	2	1	0	7	8	10	11
STEP	3	4	4	5	1	2	1	6	9	11	12
STEP	5	2	6	7	3	0	-1	8	7	9	10
OUT	15	8	24	35	3	0	-1	48	63	99	120

IN	4	3	5	6	2	1	0	7	8	10	11
STEP	5	4	6	7	3	2	1	8	9	11	12
STEP	3	2	4	5	1	0	-1	6	7	9	10
OUT	15	8	24	35	3	0	-1	42	56	99	120

IN	4	3	5	6	2	1	0	7	8	10	11
STEP	5	4	6	7	3	2	1	8	9	11	12
STEP	3	2	4	5	1	0	-1	6	7	9	10
OUT	15	8	24	35	3	0	-1	42	56	99	120

IN	4
STEP	5
STEP	3
OUT	15

IN	4	6
STEP	5	7
STEP	3	5
OUT	15	35

IN	4	6	0	10
STEP	5	7	1	11
STEP	3	5	-1	9
OUT	15	35	1	99

IN	4	6	1	10
STEP	5	7	2	11
STEP	3	5	0	9
OUT	15	35	0	99

IN	4	8
STEP	5	9
STEP	3	7
OUT	15	63

IN	4	5	6	7	8	9
STEP	5	6	7	8	9	10
STEP	3	4	5	6	7	8
OUT	15	24	35	48	63	80

IN	4	5
OUT	15	24

IN	4	5	6
OUT	15	24	35

IN	4	5	6	7	8	9
OUT	15	24	35	48	63	80

IN	4
STEP	5
OUT	15

IN	4	4
STEP	5	5
OUT	15	15

IN	4	4
STEP	3	3
OUT	15	15

IN	4	4
STEP	3	3
STEP	2	2
OUT	15	15

IN	4	4
STEP	3	3
STEP	5	5
OUT	15	15

IN	4	5
STEP	5	6
STEP	3	4
OUT	15	24

IN	4	10
OUT	15	99

IN	4	10
STEP	5	11
STEP	3	9
OUT	15	99

IN	4	2
OUT	15	3

IN	4	2	7
OUT	15	3	35

IN	4	7
OUT	15	35

IN	4	6
STEP	5	7
STEP	3	5
OUT	15	35

IN	4
STEP	5
STEP	3
OUT	15

IN	4	2
STEP	5	3
STEP	3	1
OUT	15	3

IN	4
OUT	15

IN	4	3
OUT	15	8

IN	4	3
OUT	15	8

IN	4
STEP	5*3
OUT	15

IN	4
STEP	5*3
OUT	15

IN	4
STEP	5*3
OUT	15

IN	4
STEP	5*3
OUT	15

IN	4
STEP	5
STEP	3
OUT	15

IN	4	3
STEP	5	4
STEP	3	2
OUT	15	8

IN	4	5
STEP	5*3	6*4
OUT	15	24

IN	4	5
OUT	15	24

IN	4	5	6
OUT	15	24	35

IN	4	5	6
STEP	5*3	8*4	7*5
OUT	15	24	35

IN	4	5	6
STEP	"5""3"	8*4	7*5
OUT	15	24	35

IN	4	5	6
STEP	"5"and "3"	"8" and "4"	"7" and "5"
OUT	15	24	35

IN	4	5	6
STEP	5 * 3	8 * 4	7 * 5
OUT	15	24	35

IN	4	5	6
STEP	(4+1) * (4-1)	(5+1) * (5-1)	(6+1) * (6-1)
STEP	5 * 3	8 * 4	7 * 5
OUT	15	24	35

IN	4	5	6
STEP	(4 + 1) * (4 - 1)	(5 + 1) * (5 - 1)	(6 + 1) * (6 - 1)
STEP	5 * 3	8 * 4	7 * 5
OUT	15	24	35

IN	4	5	6
STEP	(4 + 1) * (4 - 1)	(5 + 1) * (5 - 1)	(6 + 1) * (6 - 1)
STEP	5 * 3	8 * 4	7 * 5
OUT	15	24	35

IN	4	5	6
STEP	(4 + 1) * (4 - 1)	(5 + 1) * (5 - 1)	(6 + 1) * (6 - 1)
STEP	5 * 3	6 * 4	7 * 5
OUT	15	24	35

IN	4	5	6
STEP	(4 + 1) * (4 - 1)	(5 + 1) * (5 - 1)	(6 + 1) * (6 - 1)
STEP	5 * 3	6 * 4	7 * 5
OUT	15	24	35

IN	4	5	6
STEP	(4 + 1) * (4 - 1)	(5 + 1) * (5 - 1)	(6 + 1) * (6 - 1)
STEP	5 * 3	6 * 4	7 * 5
OUT	15	24	35

IN	4	5	6
OUT	15	24	35

IN	4	5	6
STEP	5	6	7
STEP	3	4	5
STEP	5 * 3	6 * 4	7 * 5
OUT	15	24	35

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IN	1,-1	2,0
OUT	-1,1	0,2

IN	1,-1	5,4
OUT	-1,1	4,5

IN	1,-1	3,-1,2
OUT	-1,1	-1,2,3

IN	1,-1	2,-2
OUT	-1,1	-2,2

IN	1,-1	1,-1
OUT	-1,1	-1,1

IN	1,-1	5,2,9,1
OUT	-1,1	2,5,1,9

IN	1,-1	
STEP		
OUT	-1,1	

IN	1,-1	7,-15
OUT	-1,1	-15,7

IN	1,-1	2,-2
OUT	-1,1	-2,2

IN	1,-1	3, 4
OUT	-1,1	3, 4

IN	1,-1	-100,100,0
OUT	-1,1	-100,0,100

IN	1,-1	2, -1
OUT	-1,1	-1, 2

IN	1,-1	
OUT	-1,1	

IN	1,-1	2,-2
OUT	-1,1	-2,2

IN	1,2	2,3
OUT	3	5

IN	1,2	4,8,3
OUT	3	15

IN	1,2	3,5,7
OUT	3	15

<b>IN</b>	1,2,2,3
<b>OUT</b>	3 5

<b>IN</b>	1,2,4,5
<b>OUT</b>	3 6

<b>IN</b>	1,2,4,5,7,8
<b>OUT</b>	3 6 9

<b>IN</b>	1,2,1,2
<b>OUT</b>	3 3

<b>IN</b>	1,2,2,4,8,8,4,7,12,11
<b>OUT</b>	3 6 16 11 23

<b>IN</b>	1,2,700,5
<b>OUT</b>	3 705

<b>IN</b>	1,2,3,4
<b>OUT</b>	3 7

<b>IN</b>	1,2,4,5
<b>OUT</b>	3 9

<b>IN</b>	1,2,1,5,1001
<b>OUT</b>	3 1007

<b>IN</b>	1,2,2,3
<b>OUT</b>	3 5

<b>IN</b>	1,2,4,5
<b>OUT</b>	3 9

<b>IN</b>	yes no job input
<b>OUT</b>	6 3 5

<b>IN</b>	yes no 123 be be calm
<b>OUT</b>	6 3 2 7

<b>IN</b>	yes no test words
<b>OUT</b>	6 10

<b>IN</b>	yes no yes no
<b>OUT</b>	6 7

<b>IN</b>	yes no yes maybe
<b>OUT</b>	6 9

<b>IN</b>	yes no yes,no
<b>OUT</b>	6 6

<b>IN</b>	yes no balogna mississippi
<b>OUT</b>	6 7 11

<b>IN</b>	yes no how are you
<b>OUT</b>	6 11

<b>IN</b>	yes no why
<b>OUT</b>	6 7

<b>IN</b>	yes no why
<b>OUT</b>	6 3

<b>IN</b>	yes no hi there
<b>OUT</b>	6 8

<b>IN</b>	yes no these instructions suck
<b>OUT</b>	6 22

<b>IN</b>	yes no vagia
<b>OUT</b>	6 5

<b>IN</b>	yes no this is ten
<b>OUT</b>	6 10

<b>IN</b>	yes no this ten
<b>OUT</b>	6 10

<b>IN</b>	yes no this ten
<b>OUT</b>	6 10

<b>IN</b>	yes no this ten
<b>OUT</b>	6 10

<b>IN</b>	a 1b	jo 3c
<b>STEP</b>	ab	joc
<b>OUT</b>	2	3

<b>IN</b>	a 1b	1 23	34se	a	a9 ef
<b>STEP</b>	ab		se	a	aef
<b>OUT</b>	2	0	2	1	3

<b>IN</b>	a 1b	s77 3z
<b>STEP</b>	ab	sz
<b>OUT</b>	2	2

<b>IN</b>	a 1b	cd 2e
<b>STEP</b>		
<b>OUT</b>	2	3

<b>IN</b>	a 1b	cd 2e
<b>STEP</b>	1	1
<b>OUT</b>	2	3

<b>IN</b>	a 1b	cd 2e
<b>STEP</b>	2	2
<b>OUT</b>	2	3

<b>IN</b>	a 1b	cd 2e
<b>STEP</b>	2	3
<b>OUT</b>	2	3

<b>IN</b>	a 1b	b 2c
<b>STEP</b>	2	3
<b>OUT</b>	2	3

<b>IN</b>	a 1b	b 2c
<b>STEP</b>		
<b>OUT</b>	2	3

<b>IN</b>	a 1b	b 2c
<b>STEP</b>		
<b>OUT</b>	2	2

<b>IN</b>	a 1b	b 2c
<b>STEP</b>	ab	bc
<b>OUT</b>	2	2

<b>IN</b>	a 1b	a 1b
<b>STEP</b>	c	c
<b>OUT</b>	2	2

<b>IN</b>	a 1b	a 1b
<b>STEP</b>	a	a
<b>OUT</b>	2	2

<b>IN</b>	a 1b	a 1b
<b>STEP</b>	a	a
<b>OUT</b>	2	2

<b>IN</b>	a 1b	a 1b
<b>STEP</b>	ab	ab
<b>OUT</b>	2	2

<b>IN</b>	a 1b	a9s8y
<b>STEP</b>	ab	asy
<b>OUT</b>	2	3

<b>IN</b>	a 1b
<b>STEP</b>	ab
<b>OUT</b>	2

<b>IN</b>	a 1b	avd 22c
<b>STEP</b>	ab	avdc
<b>OUT</b>	2	4

<b>IN</b>	a 1b	c df2
<b>STEP</b>	ab	cdf
<b>OUT</b>	2	3

<b>IN</b>	a 1b	b6 14 ch
<b>STEP</b>		
<b>OUT</b>	2	3

<b>IN</b>	a 1b	b6 14 ch
<b>STEP</b>	ab	bch
<b>OUT</b>	2	3

<b>IN</b>	a 1b
<b>STEP</b>	4
<b>OUT</b>	2

<b>IN</b>	a 1b
<b>STEP</b>	3
<b>OUT</b>	2

<b>IN</b>	a 1b	b1pp1ty b0pp1ty
<b>STEP</b>	3	15
<b>OUT</b>	2	11

<b>IN</b>	a 1b	b1pp1ty b0pp1ty
<b>STEP</b>	3	14
<b>OUT</b>	2	11

<b>IN</b>	a 1b	b1pp1ty b0pp1ty
<b>STEP</b>	3	14
<b>OUT</b>	2	10

<b>IN</b>	a 1b	b1pp1ty b0pp1ty
<b>STEP</b>	3	14
<b>OUT</b>	2	10

<b>IN</b>	a 1b
<b>STEP</b>	3
<b>OUT</b>	2

<b>IN</b>	a 1b	b1pp1ty b0pp1ty
<b>STEP</b>	3	14
<b>OUT</b>	2	10

<b>IN</b>	a 1b	t3st
<b>STEP</b>	3	4
<b>OUT</b>	2	3

<b>IN</b>	a 1b	t3st
<b>STEP</b>	3	4
<b>OUT</b>	2	3

<b>IN</b>	a 1b	t 3st
<b>STEP</b>	3	4
<b>OUT</b>	2	3

<b>IN</b>	a 1b	b 1a
<b>STEP</b>	3	3
<b>OUT</b>	2	2

<b>IN</b>	a 1b	b 1a
<b>STEP</b>	3	3
<b>OUT</b>	2	2

<b>IN</b>	a 1b	b 1a
<b>STEP</b>	3	3
<b>OUT</b>	2	2

<b>IN</b>	a 1b	b 1a
<b>STEP</b>	3	3
<b>OUT</b>	2	2

<b>IN</b>	a 1b
<b>STEP</b>	4
<b>OUT</b>	2

<b>IN</b>	a 1b
<b>STEP</b>	3
<b>OUT</b>	2

<b>IN</b>	a 1b
<b>STEP</b>	a1b
<b>OUT</b>	2

<b>IN</b>	a 1b	b 1a
<b>STEP</b>	a1b	b1a
<b>OUT</b>	2	2

<b>IN</b>	a 1b	ddd
<b>STEP</b>	3	3
<b>OUT</b>	2	3

<b>IN</b>	a 1b	ddd
<b>STEP</b>	3	3
<b>OUT</b>	2	3

<b>IN</b>	a 1b	ddd
<b>STEP</b>	3	3
<b>OUT</b>	2	3

<b>IN</b>	a 1b	ddd
<b>STEP</b>	3	3
<b>OUT</b>	2	3

<b>IN</b>	a 1b	ddd
<b>STEP</b>	3	3
<b>OUT</b>	2	3

<b>IN</b>	a 1b
<b>STEP</b>	3
<b>OUT</b>	2

<b>IN</b>	a 1b
<b>STEP</b>	3
<b>OUT</b>	2

<b>IN</b>	a 1b
<b>STEP</b>	ab
<b>OUT</b>	2

<b>IN</b>	a 1b
<b>STEP</b>	ab
<b>OUT</b>	2

<b>IN</b>	a 1b
<b>STEP</b>	ab
<b>OUT</b>	2

<b>IN</b>	a 1b
<b>STEP</b>	ab
<b>OUT</b>	2

<b>IN</b>	a 1b	b1pp1ty b0pp1ty
<b>STEP</b>	ab	bpptybppty
<b>OUT</b>	2	10

<b>IN</b>	a 1b
<b>STEP</b>	ab
<b>OUT</b>	2

<b>IN</b>	a 1b	b vbs2
<b>STEP</b>	ab	bvbs
<b>OUT</b>	2	4

<b>IN</b>	a 1b	<b>IN</b>	a 1b	ab 345345345f 345345f
<b>STEP</b>	ab	<b>STEP</b>	ab	abff
<b>OUT</b>	2	<b>OUT</b>	2	4

<b>IN</b>	be, are, is, some	<b>IN</b>	be, are, is, some	day, to, us, garage
<b>STEP</b>	2, 3, 2, 4	<b>STEP</b>	2, 3, 2, 4	3, 2, 2, 6
<b>OUT</b>	be, is	<b>OUT</b>	be, is	to, us

<b>IN</b>	be, are, is, some	l, am, working	tee, hee	<b>IN</b>	be, are, is, some	l, am, working	tee, hee, ha
<b>STEP</b>	2, 3, 2, 4	1, 2, 7	3, 3	<b>STEP</b>	2, 3, 2, 4	1, 2, 7	3, 3, 2
<b>OUT</b>	be, is	l, am		<b>OUT</b>	be, is	l, am	ha

<b>IN</b>	be, are, is, some	test, word, is, are, am
<b>STEP</b>	2,3,2,4	4,4,2,3,2
<b>OUT</b>	be, is	is, am

<b>IN</b>	be, are, is, some	the, it, to, from	<b>IN</b>	be, are, is, some	the, it, to, from
<b>STEP</b>			<b>STEP</b>	2, 3, 2, 4	3, 2, 2, 4
<b>OUT</b>	be, is	it, to	<b>OUT</b>	be, is	it, to

<b>IN</b>	be, are, is, some	<b>IN</b>	be, are, is, some	be, are, is, some	<b>IN</b>	be, are, is, some	be, are, is, some
<b>STEP</b>	2,3,4	<b>STEP</b>	2	3	<b>STEP</b>	2	2
<b>OUT</b>	be, is	<b>OUT</b>	be, is	two	<b>OUT</b>	be, is	be, is

<b>IN</b>	be, are, is, some	be, are, is, some	<b>IN</b>	be, are, is, some	at, and	<b>IN</b>	be, are, is, some	at, and
<b>STEP</b>	3	3	<b>STEP</b>	3	3	<b>STEP</b>	1,2,3	1,2,3
<b>OUT</b>	be, is	be, is	<b>OUT</b>	be, is	be, is	<b>OUT</b>	be, is	be, is

<b>IN</b>	be, are, is, some	at, and	<b>IN</b>	be, are, is, some	at, and, of	<b>IN</b>	be, are, is, some	at, il, of	<b>IN</b>	be, are, is, some	
<b>STEP</b>	1, 2, 3	1, 2, 3	<b>STEP</b>	1, 2, 3	1, 2, 3	<b>STEP</b>	2	2	<b>STEP</b>	2	
<b>OUT</b>	be, is	be, is	<b>OUT</b>	be, is	be, is	<b>OUT</b>	be, is	be, is	<b>OUT</b>	be, is	

<b>IN</b>	be, are, is, some	<b>IN</b>	be, are, is, some	<b>IN</b>	be, are, is, some	two, of	<b>IN</b>	be, are, is, some	two, of
<b>STEP</b>	3	<b>STEP</b>	1	<b>STEP</b>	2	3	<b>STEP</b>	3	3
<b>OUT</b>	be, is	<b>OUT</b>	be, is	<b>OUT</b>	be, is	six	<b>OUT</b>	be, is	six

<b>IN</b>	be, are, is, some	two, of	<b>IN</b>	be, are, is, some	two, of	<b>IN</b>	be, are, is, some	two, of	<b>IN</b>	be, are, is, some	two, of
<b>STEP</b>	2	3	<b>STEP</b>	2	3	<b>STEP</b>	2	3	<b>STEP</b>	2, 3, 2, 3	3, 2
<b>OUT</b>	be, is	two	<b>OUT</b>	be, is	two	<b>OUT</b>	be, is	two	<b>OUT</b>	be, is	two

<b>IN</b>	be, are, is, some	two, of	<b>IN</b>	be, are, is, some	two, of	<b>IN</b>	be, are, is, some	two, of	<b>IN</b>	be, are, is, some	two, of
<b>STEP</b>	2, 3, 2, 3	3, 2	<b>STEP</b>	2, 3, 2, 3	3, 2	<b>STEP</b>	2, 3, 2, 3	3, 2	<b>STEP</b>	2, 3, 2, 3	3, 2
<b>OUT</b>	be, is	two	<b>OUT</b>	be, is	two	<b>OUT</b>	be, is	two	<b>OUT</b>	be, is	two

<b>IN</b>	be, are, is, some	two, of	<b>IN</b>	be, are, is, some	be,are, is, some	<b>IN</b>	be, are, is, some	be,are, is, some
<b>STEP</b>	2	2	<b>STEP</b>	2	2	<b>STEP</b>	3	3
<b>OUT</b>	be, is	of	<b>OUT</b>	be, is	be, is	<b>OUT</b>	be, is	be, is

<b>IN</b>	be, are, is, some	be, are, is, some
<b>STEP</b>	2, 3, 2, 4	2, 3, 2, 4
<b>OUT</b>	be, is	be, is

<b>IN</b>	be, are, is, some	bob, a, no, cape	<b>IN</b>	be, are, is, some	bob, an, no, cape	<b>IN</b>	be, are, is, some	bob, an, no, cape
<b>STEP</b>	2, 3, 2, 3	3, 1, 2, 4	<b>STEP</b>	2, 3, 2, 3	3, 2, 2, 4	<b>STEP</b>	2,3,2,3	3,2,2,4
<b>OUT</b>	be, is	a, no	<b>OUT</b>	be, is	an, no	<b>OUT</b>	be, is	an, no

<b>IN</b>	be, are, is, some	<b>IN</b>	be, are, is, some	in, joe, as, bob	<b>IN</b>	be, are, is, some	in, joe, as, bob	ok, ill, sin, up
<b>STEP</b>	2,3,2,3	<b>STEP</b>	2,3,2,3	2,3,2,3	<b>STEP</b>	2,3,2,3	2,3,2,3	2,3,3,2
<b>OUT</b>	be, is	<b>OUT</b>	be, is	in, as	<b>OUT</b>	be, is	in, as	ok, up



<b>IN</b>	be, are, is, some	in, joe, as, bob	ok, ill, sin, up
<b>STEP</b>	2,3,2,3	2,3,2,3	2,3,3,2
<b>OUT</b>	be,is	in, as	ok, up

<b>IN</b>	be, are, is, some	in, joe, as, bob	ok, ill, sin, up
<b>STEP</b>	2,3,2,3	2,3,2,3	2,3,3,2
<b>OUT</b>	be,is	in,as	ok,up

<b>IN</b>	up, case
<b>STEP</b>	2, 4
<b>OUT</b>	up

<b>IN</b>	up, case	ill, no
<b>STEP</b>	2, 4	3, 2
<b>OUT</b>	up	no

<b>IN</b>	be, are, is, some
<b>STEP</b>	2, 3, 2, 4
<b>OUT</b>	be, is

<b>IN</b>	be, are, is, some	how, is, you, doing
<b>STEP</b>	2, 3, 2, 4	3, 2, 3, 5
<b>OUT</b>	be, is	is

<b>IN</b>	be, are, is, some	why, to, for, he
<b>STEP</b>		
<b>OUT</b>	be, is	to, he

<b>IN</b>	be, are, is, some	why, to, for, he
<b>STEP</b>	2, 3, 2, 4	3, 2, 3, 2
<b>OUT</b>	be, is	to, he

<b>IN</b>	be, are, is, some
<b>STEP</b>	2, 3, 2, 4
<b>OUT</b>	be, is

<b>IN</b>	be, are, is, some	one, two, three, at
<b>STEP</b>	2, 3, 2, 4	3, 3, 5, 2
<b>OUT</b>	be, is	at

<b>IN</b>	be, are, is, some
<b>STEP</b>	
<b>OUT</b>	be, is

<b>IN</b>	be, are, is, some	ball, cat, chair, is
<b>STEP</b>	2, 3, 2, 4	4, 3, 5, 2
<b>OUT</b>	be, is	is

<b>IN</b>	be, are, is, some
<b>STEP</b>	2, 3, 2, 4
<b>OUT</b>	be, is

<b>IN</b>	be, are, is, some	bee, the, be, off
<b>STEP</b>	2, 3, 2, 4	3, 3, 2, 3
<b>OUT</b>	be, is	be

<b>IN</b>	be, are, is, some	yes no
<b>STEP</b>	2	2
<b>OUT</b>	be, is	no

<b>IN</b>	be, are, is, some
<b>STEP</b>	2
<b>OUT</b>	be, is

<b>IN</b>	be, are, is, some	yes, no, maybe
<b>STEP</b>	2	3
<b>OUT</b>	be, is	yes

<b>IN</b>	be, are, is, some	yes, no, maybe, now
<b>STEP</b>	2	3
<b>OUT</b>	be, is	yes, now

<b>IN</b>	be, are, is, some	yes, no, maybe, now
<b>STEP</b>	2	2
<b>OUT</b>	be, is	no

<b>IN</b>	be, are, is, some	yes, no, maybe
<b>STEP</b>	2	2
<b>OUT</b>	be, is	no

<b>IN</b>	be, are, is, some	yes, no, maybe, to
<b>STEP</b>	2	2
<b>OUT</b>	be, is	no, to

<b>IN</b>	be, are, is, some	yes, no, to
<b>STEP</b>	2	2
<b>OUT</b>	be, is	no, to

<b>IN</b>	be, are, is, some
<b>STEP</b>	2
<b>OUT</b>	be, is

<b>IN</b>	be, are, is, some	to, love, no, good
<b>STEP</b>	2	2
<b>OUT</b>	be, is	to, no

<b>IN</b>	be, are, is, some	to, for, no, six
<b>STEP</b>	2	2
<b>OUT</b>	be, is	to, no

<b>IN</b>	be, are, is, some
<b>STEP</b>	2
<b>OUT</b>	be, is

<b>IN</b>	be, are, is, some
<b>STEP</b>	3
<b>OUT</b>	be, is

<b>IN</b>	be, are, is, some
<b>STEP</b>	1
<b>OUT</b>	be, is

<b>IN</b>	be, are, is, some
<b>STEP</b>	
<b>OUT</b>	be, is

<b>IN</b>	be, are, is, some
<b>STEP</b>	2, 3, 2, 4
<b>OUT</b>	be, is

<b>IN</b>	be, are, is, some	be, nope
<b>STEP</b>	2, 3, 2, 4	2, 4
<b>OUT</b>	be, is	be

<b>IN</b>	[1,2,3], [4,5], [6]	[2,4,5], [7,8], [22]
<b>OUT</b>	3,5,6	5,8,22

<b>IN</b>	[1,2,3], [4,5], [6]	[0,6,4,2], [1]
<b>OUT</b>	3,5,6	6,1

<b>IN</b>	[1,2,3], [4,5], [6]	[3,7,2], [1,5]
<b>OUT</b>	3,5,6	7,5

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>OUT</b>	3,5,6	10,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[2,3,4], [5,6], [7]
<b>OUT</b>	3,5,6	5,6,7

<b>IN</b>	[1,2,3], [4,5], [6]	[2,3,4], [5,6], [7]
<b>OUT</b>	3,5,6	5,6,7

<b>IN</b>	[1,2,3], [4,5], [6]	[2,3,4], [5,6], [7]
<b>OUT</b>	3,5,6	4,6,7

<b>IN</b>	[1,2,3], [4,5], [6]	[2,3,4], [5,6], [7]
<b>OUT</b>	3,5,6	4,6,7

<b>IN</b>	[1,2,3], [4,5], [6]	[2,3,4], [5,6], [7]
<b>OUT</b>	3,5,6	4,6,7

<b>IN</b>	[1,2,3], [4,5], [6]	[2,3,4], [5,6], [7]
<b>OUT</b>	3,5,6	4,6,7

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>OUT</b>	3,5,6	9,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>OUT</b>	3,5,6	9,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>STEP</b>	Find the largest values from each list of Input	Find the largest values from each list of Input
<b>OUT</b>	3,5,6	9,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>STEP</b>	Find the largest values from each list of Input	Find the largest values from each list of Input
<b>OUT</b>	3,5,6	9,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>STEP</b>	Find the largest values from each list of Input	Find the largest values from each list of Input
<b>OUT</b>	3,5,6	9,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>STEP</b>		
<b>OUT</b>	3,5,6	9,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>STEP</b>		
<b>OUT</b>	3,5,6	9,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>STEP</b>		
<b>OUT</b>	3,5,6	9,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>OUT</b>	3,5,6	9,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>OUT</b>	3,5,6	9,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>OUT</b>	3,5,6	9,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>OUT</b>	3,5,6	9,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>STEP</b>	3,5,6	9,11,12
<b>OUT</b>	3,5,6	9,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>STEP</b>	[3], [5], [6]	[9],[11],[12]
<b>OUT</b>	3,5,6	9,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>STEP</b>	[3], [5], [6]	[9], [11], [12]
<b>OUT</b>	3,5,6	9,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[7,8,9], [10,11], [12]
<b>STEP</b>	[3], [5], [6]	[9], [11], [12]
<b>OUT</b>	3,5,6	9,11,12

<b>IN</b>	[1,2,3], [4,5], [6]	[4,5,6], [7,8], [9]
<b>OUT</b>	3,5,6	6,8,9

<b>IN</b>	[1,2,3], [4,5], [6]	[4,5,6], [7,8], [9]
<b>OUT</b>	3,5,6	6,8,9

<b>IN</b>	[1,2,3], [4,5], [6]	[4,5,6], [7,8], [9]	[5,4,3], [2,1], [0]
<b>OUT</b>	3,5,6	6,8,9	5,2,0

<b>IN</b>	[1,2,3], [4,5], [6]	[4,5,6], [7,8], [9]	[5,4,3], [2,1], [0]
<b>OUT</b>	3,5,6	6,8,9	5,2,0

<b>IN</b>	[1,2,3], [4,5], [6]	[5,4,3], [2,1], [0]
<b>OUT</b>	3,5,6	5,2,0

<b>IN</b>	[1,2,3], [4,5], [6]	[1,2,3], [4,5], [6]
<b>OUT</b>	3,5,6	3,5,6

<b>IN</b>	[1,2,3], [4,5], [6]	[3,5,9], [3,5,6], [5]
<b>OUT</b>	3,5,6	9,6,5

<b>IN</b>	[1,2,3], [4,5], [6]	[1,4,3], [9,5], [6]
<b>OUT</b>	3,5,6	4,9,6

<b>IN</b>	[1,2,3], [4,5], [6]	[4,7,8], [2,6], [8]
<b>OUT</b>	3,5,6	8,6,8

<b>IN</b>	[1,2,3], [4,5], [6]	[2,3,4], [1], [2,4,6]
<b>OUT</b>	3,5,6	4,1,6

<b>IN</b>	[1,2,3], [4,5], [6]	[1,2,100], [1,2], [1001, 5000, 6001]
<b>OUT</b>	3,5,6	100,2,6001

<b>IN</b>	[1,2,3], [4,5], [6]	[13,16,12]
<b>OUT</b>	3,5,6	16

<b>IN</b>	[1,2,3], [4,5], [6]	[1,2,3], [4,5], [6]	[3,4,6], [7,8]
<b>OUT</b>	3,5,6	3,5,6	6,8

<b>IN</b>	Jane:Art:87, Jane:Math:47, Tom:Math:59, Tim:Art:64, Lin:Math:99, Lin:Art:72	Joe:Math:75, Joe:Art:79, Lindsay:Math:92, Tony:Art:88
<b>Art Grades</b>	Jane:Art:87, Tim:Art:64, Lin:Art:72	Joe:Art:79, Tony:Art:88
<b>Max Art Score</b>	87	88
<b>Min Art Score</b>	64	79
<b>OUT</b>	87, 64	88, 79

<b>IN</b>	Jane:Art:87, Jane:Math:47, Tom:Math:59, Tim:Art:64, Lin:Math:99, Lin:Art:72	Al:Math:22, Bob:Math:65, Joe:Art:97, Leah:Art:96
<b>Remove name</b>	Art:87, Math:47, Math:59, Art:64, Math:99, Art:72	Math:22, Math:65, Art:97, Art:96
<b>Remove math scores</b>	Art:87, Art:64, Art:72	Art:97, Art:96
<b>Group scores</b>	[87,64,72]	[97,96]
<b>Get minimum</b>	64	96
<b>Get maximum</b>	87	97
<b>OUT</b>	87, 64	97, 96

<b>IN</b>	Jane:Art:87, Jane:Math:47, Tom:Math:59, Tim:Art:64, Lin:Math:99, Lin:Art:72	Chris:Art:60, Jennie:Math:90, Peter:Art:78, Joanne:Math:63
<b>Data for Art</b>	[Art, 87, 64]	[Art, 78, 60]
<b>Data For Math</b>	[Math, 99, 47]	[Math, 90, 63]
<b>OUT</b>	87, 64	

<b>IN</b>	Jane:Art:87, Jane:Math:47, Tom:Math:59, Tim:Art:64, Lin:Math:99, Lin:Art:72	Bill:91 Mary: 99 Susan: 95 Marie: 97 Todd: 96
<b>OUT</b>	87, 64	99, 91

<b>IN</b>	Jane:Art:87, Jane:Math:47, Tom:Math:59, Tim:Art:64, Lin:Math:99, Lin:Art:72	Jane:Art:87, Jane:Math:47, Tom:Math:59, Tim:Art:64, Lin:Math:99, Lin:Art:72
<b>OUT</b>	87, 64	87, 72

<b>IN</b>	Jane:Art:87, Jane:Math:47, Tom:Math:59, Tim:Art:64, Lin:Math:99, Lin:Art:72	Jane:Science:87, Jane:Biology:47, Tom:Art:100, Tim:Art:25, Lin:Math:99, Lin:Art:48
<b>Art Scores</b>	87, 64, 72	100,25,48
<b>OUT</b>	87, 64	100,25

<b>IN</b>	Jane:Art:87, Jane:Math:47, Tom:Math:59, Tim:Art:64, Lin:Math:99, Lin:Art:72	Matt:Science:99, Matt:Art:75, Jeremy:Science:75, Jeremy:Art:82	Julie:Math:47, Doug:Math:89, Terrance:Art:64, Cindy:Math:99, Cindy:Art:72
<b>OUT</b>	87, 64	82, 75	72, 64

<b>IN</b>	Jane:Art:87, Jane:Math:47, Tom:Math:59, Tim:Art:64, Lin:Math:99, Lin:Art:72	Eric:Math:67, Eric:Art:99, Ariana:Math:95, Ariana:Art:75, Cathy:Math:67, Cathy:Art:72
<b>OUT</b>	87, 64	99, 72

<b>IN</b>	Jane:Art:87, Jane:Math:47, Tom:Math:59, Tim:Art:64, Lin:Math:99, Lin:Art:72	Joan:Art:99, John:Art:59, Sally:Math:95, Lola:Math:85
<b>OUT</b>	87, 64	99, 59

<b>IN</b>	Jane:Art:87, Jane:Math:47, Tom:Math:59, Tim:Art:64, Lin:Math:99, Lin:Art:72
	[Art, 87,64,72],[Math, 47,59,99]
	[Art, 64,72, 87],[Math, 47,59,99]
	[Art, 64,72,87]
<b>OUT</b>	87, 64

<b>IN</b>	Jane:Art:87, Jane:Math:47, Tom:Math:59, Tim:Art:64, Lin:Math:99, Lin:Art:72	Greg:Art:90, Greg:Math:50, Vagia:Math:35, Vagia:Art:100, Lin:Art:20, Lin:Math:89
<b>OUT</b>	87, 64	100, 20

<b>IN</b>	Jane:Art:87, Jane:Math:47, Tom:Math:59, Tim:Art:64, Lin:Math:99, Lin:Art:72	Doug:Music:99, Doug:Gym:55, Fred: Gym:70, Bob:Music:20, Lou:Gym 70, Lou:Music:75
<b>OUT</b>	87, 64	99,20

<b>IN</b>	Jon Anderson, Tim Cook	Jim Croce, Leonard Winter
<b>First Name letters before space</b>	Jon, Tim	Jim, Leonard
<b>Last Name Letters after space</b>	Anderson, Cook	Croce, Winter
<b>OUT</b>	Anderson J., Cook T.	Croce J., Winter L.

<b>IN</b>	Jon Anderson, Tim Cook	Leah Murphy, Paul Perth, Kim Cass
<b>Get last name</b>	Anderson, Cook	Murphy, Perth, Cass
<b>Get initial</b>	J., T.	L., P., K.
<b>OUT</b>	Anderson J., Cook T.	Murphy L., Perth P., Cass K.

<b>IN</b>	Jon Anderson, Tim Cook	Mitsue McMickle, Robbin Hohl, Eda Kirwin, Petra Domingue,	
<b>OUT</b>	Anderson J., Cook T.	McMickle M., Hohl R., Kirwin E., Domingue P.	

<b>IN</b>	Jon Anderson, Tim Cook	Paul Tergat, Steve Jobs
<b>OUT</b>	Anderson J., Cook T.	Paul T., Steve J.

<b>IN</b>	Jon Anderson, Tim Cook	Jon Anderson, Tim Cook
<b>OUT</b>	Anderson J., Cook T.	Anderson J., Cook T.

<b>IN</b>	Jon Anderson, Tim Cook	George Martin, Bob Hope	Gary Johnson, Debarah Lim
<b>Flipped Name</b>	Anderson Jon, Cook Tim	Martin George, Hope Bob	Johnson Gary, Lim Debarah
<b>OUT</b>	Anderson J., Cook T.	Martin G., Hope B.	Johnson G., Lim D.

<b>IN</b>	Jon Anderson, Tim Cook	Scott Adams, Douglas Murray	Sam Harris, George Jetson, Fred Flintstone
<b>OUT</b>	Anderson J., Cook T.	Adams S., Murray D.	Harris S., Jetson G., Flintstone F.

<b>IN</b>	Jon Anderson, Tim Cook	Baxter Pretzel, Tina Powers
<b>OUT</b>	Anderson J., Cook T.	Pretzel B., Powers T.

<b>IN</b>	Jon Anderson, Tim Cook	Mary Berry, Paul Hollywood
<b>Flip First and last name</b>	Anderson Jon, Cook Tim	Berry Mary, Hollywood Paul
<b>OUT</b>	Anderson J., Cook T.	Berry M., Hollywood P.

<b>IN</b>	Jon Anderson, Tim Cook
	J. Anderson, T. Cook
<b>OUT</b>	Anderson J., Cook T.

<b>IN</b>	Jon Anderson, Tim Cook	Maria Papadopolou, John Krakas, Heez Smith
<b>OUT</b>	Anderson J., Cook T.	Papadopolou M., Krakas J., Smith H.

<b>IN</b>	Jon Anderson, Tim Cook	Joe Blow, Pete Best	Tom Smith, Doug Brady, Tim Allen
	Flip name, abbreviate initial	Flip name, abbreviate initial	Flip name, abbreviate initial
<b>OUT</b>	Anderson J., Cook T.	Blow J., Best P.	Smith T., Brady D., Allen T.

<b>IN</b>	Civic(2014)-45000-\$12000, Elantra(2012)-60000-\$9500, Corolla(2015)-13000-\$14000	Taurus(1999)-100000-\$4000, Focus(2003)-75000-\$4,000
<b>Year</b>	2014, 2012, 2015	1999, 2003
<b>OUT</b>	14,12,15	99, 03

<b>IN</b>	Civic(2014)-45000-\$12000, Elantra(2012)-60000-\$9500, Corolla(2015)-13000-\$14000	Camry(2009)-30000-\$6000
<b>Get year</b>	2014, 2012, 2015	2009
<b>OUT</b>	14,12,15	09

<b>IN</b>	Civic(2014)-45000-\$12000, Elantra(2012)-60000-\$9500, Corolla(2015)-13000-\$14000	LaFerrari(2015)-8000-\$1200000, Impreza(2011)-50000-\$11500, Hammer(2012)-13000-\$67000
<b>OUT</b>	14,12,15	15,11,12

<b>IN</b>	Civic(2014)-45000-\$12000, Elantra(2012)-60000-\$9500, Corolla(2015)-13000-\$14000	Mitsubishi(2011)-50000-\$15000, Lamborghini(2006)-400000-\$100000, Ferrari(2014)-1000000-\$200000
<b>OUT</b>	14,12,15	11,06,14

<b>IN</b>	Civic(2014)-45000-\$12000, Elantra(2012)-60000-\$9500, Corolla(2015)-13000-\$14000	Civic(2014)-45000-\$12000, Elantra(2012)-60000-\$9500, Corolla(2015)-13000-\$14000	Tacoma(2014)-45000-\$12000, Scion(2012)-60000-\$9500, BMW(2015)-13000-\$14000
<b>OUT</b>	14,12,15	14,12,15	14,12,15

<b>IN</b>	Civic(2014)-45000-\$12000, Elantra(2012)-60000-\$9500, Corolla(2015)-13000-\$14000	Civic(2011)-45000-\$12000, Elantra(2014)-60000-\$9500, Corolla(2013)-13000-\$14000	Civic(2015)-45000-\$12000, Elantra(2013)-60000-\$9500, Corolla(2013)-13000-\$14000
<b>Years</b>	2014, 2012, 2015	2011, 2014, 2013	2015, 2013, 2013
<b>OUT</b>	14,12,15	11, 14, 13	15, 13, 13

<b>IN</b>	Civic(2014)-45000-\$12000, Elantra(2012)-60000-\$9500, Corolla(2015)-13000-\$14000	BMW(2004)-75000-\$2500, Toyota(2001)-10000-\$12500
<b>OUT</b>	14,12,15	04,01

<b>IN</b>	Civic(2014)-45000-\$12000, Elantra(2012)-60000-\$9500, Corolla(2015)-13000-\$14000	CX-5(2015)-22000-\$19000, CR-V (2012)-60000-\$10000, Sonata(2013)-38000-\$17500
<b>OUT</b>	14,12,15	15,12,13

<b>IN</b>	Civic(2014)-45000-\$12000, Elantra(2012)-60000-\$9500, Corolla(2015)-13000-\$14000	Camry(1999)-25000-\$10000, Subaru(2005)-30000-\$20000, Ford(2010)-50000-\$25000
<b>Years in input</b>	2014, 2012, 2015	1999, 2005, 2010
<b>OUT</b>	14,12,15	99,05,10

<b>IN</b>	Civic(2014)-45000-\$12000, Elantra(2012)-60000-\$9500, Corolla(2015)-13000-\$14000	Civic(2088)-45000-\$12000, Elantra(2099)-60000-\$9500, Corolla(2001)-13000-\$14000
	Civic(2014), Elantra(2012), Corolla(2015)	Civic(2088), Elantra(2099), Corolla(2001)
<b>OUT</b>	14,12,15	88,99,01

<b>IN</b>	Civic(2014)-45000-\$12000, Elantra(2012)-60000-\$9500, Corolla(2015)-13000-\$14000	Fiat 500(2009)-13000-\$13000, Mazda X (2001)-80000-\$20000, Panda(1998)-30000-\$2000
<b>OUT</b>	14,12,15	09, 01, 98

<b>IN</b>	Civic(2014)-45000-\$12000, Elantra(2012)-60000-\$9500, Corolla(2015)-13000-\$14000	Camaro(1986)-75,000-\$5000, Charger(1971)-45,000-\$20000	Cherokee(2013)-25000-\$20000, Compass(2016)-5000-\$40000, Malibu(2014)-50000-\$9000
	get last 2 digits of year	get last 2 digits of year	get last 2 digits of year
<b>OUT</b>	14,12,15	86,71	13,16,14

<b>IN</b>	Civic(2014)-\$12000, Focus(2008)-\$9500, Civic(2011)-\$12000, Focus(2015)-\$14500, BMW X5(2016)-\$50000	Taurus(1999)-\$11000, Taurus(2000)-\$11000, Elantra(2014) - \$12000
<b>Model in order</b>	BMW x5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2008)-\$9500, Focus(2015)-\$14500	Elantra(2014) - \$12000, Taurus(1999)-\$11000, Taurus(2000)-\$11000
<b>OUT</b>	BMW X5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2015)-\$14500, Focus(2008)-\$9500	Elantra(2014) - \$12000, Taurus(2000)-\$11000, Taurus(1999)-\$11000

<b>IN</b>	Civic(2014)-\$12000, Focus(2008)-\$9500, Civic(2011)-\$12000, Focus(2015)-\$14500, BMW X5(2016)-\$50000	Focus(2013)-\$13000, Camry(2011)-\$11000, Camry(2010)-\$9000, Camry(2015)-\$10000
<b>Model sort</b>	BMW x5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2008)-\$9500, Focus(2015)-\$14500	Camry(2011)-\$11000, Camry(2010)-\$9000, Camry(2015)-\$10000, Focus(2013)-\$13000
<b>OUT</b>	BMW X5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2015)-\$14500, Focus(2008)-\$9500	Camry(2015)-\$10000, Camry(2011)-\$11000, Camry(2010)-\$9000, Focus(2013)-\$13000

<b>IN</b>	Civic(2014)-\$12000, Focus(2008)-\$9500, Civic(2011)-\$12000, Focus(2015)-\$14500, BMW X5(2016)-\$50000	Accord(2013)-\$11000, Mondeo(2008)-\$17500, M5(2011)-\$67000, Q3(2015)-\$48500,
<b>OUT</b>	BMW X5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2015)-\$14500, Focus(2008)-\$9500	Accord(2013)-\$11000, M5(2011)- 67000, Mondeo(2008)-\$17500, Q3(2015)-\$48500,

<b>IN</b>	Civic(2014)-\$12000, Focus(2008)-\$9500, Civic(2011)-\$12000, Focus(2015)-\$14500, BMW X5(2016)-\$50000	F150(2015)-\$20000 Corolla(2014)-\$10000 Benz(2013)-\$30000
<b>OUT</b>	BMW X5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2015)-\$14500, Focus(2008)-\$9500	Benz(2013)-\$30000 F150(2015)-\$20000 Corolla(2014)-\$10000

<b>IN</b>	Civic(2014)-\$12000, Focus(2008)-\$9500, Civic(2011)-\$12000, Focus(2015)-\$14500, BMW X5(2016)-\$50000	Civic(2014)-\$12000, Focus(2008)-\$9500, Civic(2011)-\$12000, Focus(2015)-\$14500, BMW X5(2016)-\$50000
<b>OUT</b>	BMW X5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2015)-\$14500, Focus(2008)-\$9500	BMW X5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2015)-\$14500, Focus(2008)-\$9500

<b>IN</b>	Civic(2014)-\$12000, Focus(2008)-\$9500, Civic(2011)-\$12000, Focus(2015)-\$14500, BMW X5(2016)-\$50000	Civic(2014)-\$12000, Focus(2008)-\$9500, Civic(2011)-\$12000, Focus(2015)-\$14500, BMW X5(2016)-\$50000
<b>Sort by Model</b>	Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2008)-\$9500, Focus(2015)-\$14500, BMW X5(2016)-\$50000	Civic(2015)-\$14000, Civic(2014)-\$13000, Focus(2012)-\$9500, Focus(2011)-\$12500, BMW X5(2016)-\$50000
<b>OUT</b>	Civic(2014)-\$12000, Civic(2011)-\$9500, Focus(2015)-\$12000, Focus(2008)-\$14500, BMW X5(2016)-\$50000	Civic(2015)-\$14000, Civic(2014)-\$13500, Focus(2012)-\$9500, Focus(2011)-\$12500, BMW X5(2016)-\$50000

<b>IN</b>	Civic(2014)-\$12000, Focus(2008)-\$9500, Civic(2011)-\$12000, Focus(2015)-\$14500, BMW X5(2016)-\$50000	Taurus(1990)-\$1500, F150(2002)-\$8000, F150(2010)-\$15000, Taurus(1995)-\$2500
<b>First sort</b>	BMW X5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2008)-\$9500, Focus(2015)-\$14500	F150(2002)-\$8000, F150(2010)-\$15000, Taurus(1990)-\$1500, Taurus(1995)-\$2500
<b>Secondary sort</b>	BMW X5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2015)-\$14500, Focus(2008)-\$9500	F150(2010)-\$15000, F150(2002)-\$8000, Taurus(1995)-\$2500, Taurus(1990)-\$1500
<b>OUT</b>	BMW X5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2015)-\$14500, Focus(2008)-\$9500	F150(2010)-\$15000, F150(2002)-\$8000, Taurus(1995)-\$2500, Taurus(1990)-\$1500

<b>IN</b>	Civic(2014)-\$12000, Focus(2008)-\$9500, Civic(2011)-\$12000, Focus(2015)-\$14500, BMW X5(2016)-\$50000	CX-5(2015)-\$19000, CR-V(2009)-\$8000, Cruze(2014)-\$13000, Focus(2009)-\$6000, Sonata(2010)-\$11000
<b>OUT</b>	BMW X5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2015)-\$14500, Focus(2008)-\$9500	CR-V(2009)-\$8000, Cruze(2014)-\$13000, CX-5(2015)-\$19000, Focus(2009)-\$6000, Sonata(2010)-\$11000

<b>IN</b>	Civic(2014)-\$12000, Focus(2008)-\$9500, Civic(2011)-\$12000, Focus(2015)-\$14500, BMW X5(2016)-\$50000	Honda(2000)-\$10000, Mini(2001)-\$10000, Lexus(2002)-\$35000, Nissan(2003)-\$30000, Buick(2004)-\$20000
<b>Sort cars by models in increasing order</b>	Focus(2008)-\$9500, Civic(2011)-\$12000, Civic(2014)-\$12000, Focus(2015)-\$14500, BMW X5(2016)-\$50000	Honda(2000)-\$10000, Mini(2001)-\$10000, Lexus(2002)-\$35000, Nissan(2003)-\$30000, Buick(2004)-\$20000
<b>Sort cars by year in decreasing order</b>		
<b>OUT</b>	BMW X5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2015)-\$14500, Focus(2008)-\$9500	Buick(2004)-\$20000, Nissan(2003)-\$30000, Lexus(2002)-\$35000, Mini(2001)-\$10000, Honda(2000)-\$10000,

<b>IN</b>	Civic(2014)-\$12000, Focus(2008)-\$9500, Civic(2011)-\$12000, Focus(2015)-\$14500, BMW X5(2016)-\$50000
	BMW X5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2008)-\$9500, Focus(2015)-\$14500
	BMW X5(2016)-\$50000, Civic(2011)-\$12000, Civic(2014)-\$12000, Focus(2008)-\$9500, Focus(2015)-\$14500
<b>OUT</b>	BMW X5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2015)-\$14500, Focus(2008)-\$9500

<b>IN</b>	Civic(2014)-\$12000, Focus(2008)-\$9500, Civic(2011)-\$12000, Focus(2015)-\$14500, BMW X5(2016)-\$50000	Mazda X(2014)-\$12000, Fiat 500(2008)-\$9500, Panda(2011)-\$12000, Focus(2015)-\$14500, BMW X5(2016)-\$50000
<b>OUT</b>	BMW X5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2015)-\$14500, Focus(2008)-\$9500	BMW X5(2016)-\$50000, Fiat 500(2008)-\$9500, Focus(2015)-\$14500, Mazda X(2014)-\$12000

<b>IN</b>	Civic(2014)-\$12000, Focus(2008)-\$9500, Civic(2011)-\$12000, Focus(2015)-\$14500, BMW X5(2016)-\$50000	Camaro(2015)-\$35000, Challenger(2009)-\$20000, Camaro(2016)-\$38000, Challenger(2013)-\$30000, Tesla (2015)-\$70000
	sort by model then year	sort by model then year
<b>OUT</b>	BMW X5(2016)-\$50000, Civic(2014)-\$12000, Civic(2011)-\$12000, Focus(2015)-\$14500, Focus(2008)-\$9500	Camaro(2016)-\$38000, Camaro(2015)-\$35000, Challenger(2013)-\$30000, Challenger(2009)-\$20000, Tesla (2015)-\$70000

<b>IN</b>	[6,1,-3], [5,-8,1], [10,11,13]	[1,2,3], [3,0,-5], [12,13]
<b>Max</b>	6, 5, 13	3, 3, 13
<b>Min</b>	-3, -8, 10	1, -5, 12
<b>OUT</b>	9, 13, 3	2, 8, 1

<b>IN</b>	[6,1,-3], [5,-8,1], [10,11,13]	[2,4,0], [9,5,1,7]
<b>Find min and max</b>	[6, -3], [5, -8], [10, 13]	[4,0], [9,1]
<b>OUT</b>	9, 13, 3	4, 8

<b>IN</b>	[6,1,-3], [5,-8,1], [10,11,13]	[3, -17, 9], [13, 7, 2], [99, 34, 0]
<b>OUT</b>	9, 13, 3	26, 11, 99

<b>IN</b>	[6,1,-3], [5,-8,1], [10,11,13]	[2,9,11],[8,200,0]
<b>OUT</b>	9, 13, 3	9,200

<b>IN</b>	[6,1,-3], [5,-8,1], [10,11,13]	[6,1,-3], [5,-8,1], [10,11,13]
<b>OUT</b>	9, 13, 3	9, 13, 3

<b>IN</b>	[6,1,-3], [5,-8,1], [10,11,13]	[12,1,4], [5,-2,4], [11,20,1]
<b>Minimum/Maximum</b>	[6,-3], [5,-8], [13,10]	[12,1], [5,-2], [20,1]
<b>OUT</b>	9, 13, 3	11, 7, 19

<b>IN</b>	[6,1,-3], [5,-8,1], [10,11,13]	[10, 1, 5], [15, 1, 3], [20, 5, 12]
<b>First set</b>	9	9
<b>Second set</b>	13	14
<b>Third set</b>	3	15
<b>OUT</b>	9, 13, 3	9, 14, 15

<b>IN</b>	[6,1,-3], [5,-8,1], [10,11,13]	[7,11,-2], [8,-9,1], [13,9,4]
<b>OUT</b>	9, 13, 3	9, 17, 9

<b>IN</b>	[6,1,-3], [5,-8,1], [10,11,13]	[1,2,3], [4,8,12], [3,6,9]
<b>Minimum and maximum value in sublist</b>	[6,-3], [5,-8], [10,13]	[1,3], [4,12], [3,9]
<b>Difference between minimum and maximum values in each sublist</b>		
<b>OUT</b>	9, 13, 3	2, 8, 6

<b>IN</b>	[6,1,-3], [5,-8,1], [10,11,13]
	(6 - (-3))  ,   (5 - (-8))  ,   10 - (13)
<b>OUT</b>	9, 13, 3

<b>IN</b>	[6,1,-3], [5,-8,1], [10,11,13]	[3, -13, 5, 6], [12, -3, 5], [4, -2, 5, 2]
<b>OUT</b>	9, 13, 37	19, 15, 7

<b>IN</b>	[6,1,-3], [5,-8,1], [10,11,13]	[9,1,-4], [6,-2,2], [8,4,13]	[9,8,-3], [3,-3,2], [9,11,12]	[5]
	difference between min and max	difference between min and max	difference between min and max	less than two numbers, its gap should be 0
<b>OUT</b>	9, 13, 3	13,8,9	12,6,3	0

<b>IN</b>	John Lamar Smith, Jon Smith, Kevin Smith	Gary Cooper, Ricky Ricardo, John Quincy Adams
<b>Number of spaces</b>	2, 1, 1	1, 1, 2
<b>First Name</b>	John, Jon, Kevin	Gary, Ricky, John
<b>Last Name</b>	Smith, Smith, Smith	Cooper, Ricardo, Adams
<b>Middle Name</b>	Lamar, ,	, , Quincy
<b>OUT</b>	John L. Smith, Jon Smith, Kevin Smith	Gary Cooper, Ricky Ricardo, John Q. Adams

<b>IN</b>	John Lamar Smith, Jon Smith, Kevin Smith	Kim Sam Hu, Leah Shy, Paul Ryan Murphy
<b>Get length of name</b>	16, 9, 11	10, 8, 16
<b>Have middle name?</b>	yes, no, no	yes, no, yes
<b>New middle names</b>	L., ,	Sam, , R.
<b>OUT</b>	John L. Smith, Jon Smith, Kevin Smith	Kim Sam Hu, Leah Shy, Paul R. Murphy

<b>IN</b>	John Lamar Smith, Jon Smith, Kevin Smith	Mitsue Mc Mitsue McMickle, Robbin Mc Robin Hohl, Eda Corwin Kirwin
<b>OUT</b>	John L. Smith, Jon Smith, Kevin Smith	Mitsue M. McMickle, Robbin M. Hohl, Eda C. Kirwin

<b>IN</b>	John Lamar Smith, Jon Smith, Kevin Smith	Timothy Reginald Smith, Stephanie Bumbleberry Jones, Todd Baker
<b>OUT</b>	John L. Smith, Jon Smith, Kevin Smith	Timothy R. Smith, Stephanie B. Jones, Todd Baker

<b>IN</b>	John Lamar Smith, Jon Smith, Kevin Smith	John Lamar Smith, Jon Smith, Kevin Smith	John Brian Smith, Jon Smith, Kevin Smith
<b>OUT</b>	John L. Smith, Jon Smith, Kevin Smith	John L. Smith, Jon Smith, Kevin Smith	John B. Smith, Jon Smith, Kevin Smith

<b>IN</b>	John Lamar Smith, Jon Smith, Kevin Smith	George William Bush, John Kelly, Chip Kelly
<b>OUT</b>	John L. Smith, Jon Smith, Kevin Smith	George W. Bush, John Kelly, Chip Kelly

<b>IN</b>	John Lamar Smith, Jon Smith, Kevin Smith	Anne William Wilson, Frank Roosevelt Cox, Joe Lenin Marx
<b>Item 1</b>	John L. Smith	Anne W. Wilson
<b>Item 2</b>	Jon Smith	Frank R. Cox
<b>Item 3</b>	Kevin Smith	Joe L. Marx
<b>Concatenate items</b>	John L. Smith, Jon Smith, Kevin Smith	Anne W. Wilson, Frank R. Cox, Joe L. Marx
<b>OUT</b>	John L. Smith, Jon Smith, Kevin Smith	Anne W. Wilson, Frank R. Cox, Joe L. Marx

<b>IN</b>	John Lamar Smith, Jon Smith, Kevin Smith	Carol Katherine Garvey, Jesse James Richardson, Baxter Pretzel
<b>OUT</b>	John L. Smith, Jon Smith, Kevin Smith	Carol K. Garvey, Jesse J. Richardson, Baxter Pretzel

<b>IN</b>	John Lamar Smith, Jon Smith, Kevin Smith	Jane Mary Holm, Tom Riddle, Hulk Hogan
<b>names longer than 10 characters including spaces</b>	John Lamar Smith	Jane Mary Holm
<b>Abbreviate middlename to make equal to or less than 10 characters for entire name</b>	John L. Smith	Jane M. Holm
<b>List all names with equal to or less than 10 characters</b>		
<b>OUT</b>	John L. Smith, Jon Smith, Kevin Smith	Jane M. Holm, Tom Riddle, Hulk Hogan

<b>IN</b>	John Lamar Smith, Jon Smith, Kevin Smith	Tak Yeon Lee, Tak Abrahamlincon Lee, Tak Tiktoe Lee
<b>OUT</b>	John L. Smith, Jon Smith, Kevin Smith	Tak Y. Lee, Tak A. Lee, Tak T. Lee

<b>IN</b>	John Lamar Smith, Jon Smith, Kevin Smith	Gregory John Lask, Vagia Ioannis Apost, Maria Kosta Papadopoulou, Bruce Jay Lee
<b>OUT</b>	John L. Smith, Jon Smith, Kevin Smith	Gregory J. Lask, Vagia I. Apost, Maria K. Papadopoulou, Bruce J. Lee

<b>IN</b>	John Lamar Smith, Jon Smith, Kevin Smith	Jon Chow, Douglas Preston Adams	Tom Allen Smith, Tim Smith
	if name is longer than 10 char abbreviate middle init.	if name is longer than 10 char abbreviate middle init.	if name is longer than 10 char abbreviate middle init.
<b>OUT</b>	John L. Smith, Jon Smith, Kevin Smith	Jon Chow, Douglas P. Adams	Tom A. Smith, Tim Smith