Instructions:

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input: go now 53 39 18 for again 66

Step 1: 66 go now 53 39 18 for again
Step 2: 66 again go now 53 39 18 for
Step 3: 66 again 53 go now 39 18 for
Step 4: 66 again 53 for go now 39 18
Step 5: 66 again 53 for 39 go now 18
Step 6: 66 again 53 for 39 go 18 now

1. **Input:** chanoyu wink 24 44 57 Heinz beech 71.

How many steps will be required to complete the rearrangement?

1. Three
2. Four
3. Five
4. Six

**Solution:** Write the first letters of the given problem.

Step 1: 71 C W 24 44 57 H B
Step 2: 71 B C W 24 44 57 H
Step 3: 71 B 57 C W 24 44 H
Step 4: 71 B 57 C 44 W 24 H
Step 5: 71 B 57 C 44 H 24 W
Step 6: 71 B 57 C 44 H 24 W

2. **Input:** trees 18 27 desk are 91 hour zero 31 16 chairs.

Which of the following will be step 4?

1. 91 are 31 trees 18 27 desk hour zero 16 chairs
2. 91 trees 18 27 desk are hour zero 31 16 chairs
3. 91 are 31 chairs trees 18 27 desk hour zero 16
4. 91 are 31 chairs 27 desk 18 trees hour zero 16
Input Output

Solution: Step 1: 91 trees 18 27 desk are hour zero 31 16 chairs
Step 2: 91 are trees 18 27 desk hour zero 31 16 chairs
Step 3: 91 are 31 trees 18 27 desk hour zero 16 chairs
Step 4: 91 are 31 chairs trees 18 27 desk hour zero 16
Step 5: 91 are 31 chairs 27 trees 18 desk hour zero 16
Step 6: 91 are 31 chairs 27 desk trees 18 hour zero 16
Step 7: 91 are 31 chairs 27 desk 18 trees hour zero 16
Step 8: 91 are 31 chairs 27 desk 18 hours zero 16
Step 9: 91 are 31 chairs 27 desk 18 hour 16 trees zero
Step 10: 91 are 31 chairs 27 desk 18 hour 16 trees zero

3. Input: how two 38 23 87 43 room over
Which of the following steps will be the last?

1. Step 4
2. Step 5
3. Step 6
4. Step 7

Solution: Step 1: 87 how two 38 23 43 room over
Step 2: 87 how 43 two 38 23 room over
Step 3: 87 how 43 over two 38 23 room
Step 4: 87 how 43 over 38 two 23 room
Step 5: 87 how 43 over 38 room two 23
Step 6: 87 how 43 over 38 room 23 two

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4. Step 2 of an input is: 94 car 86 window shut 52 31 house
Which of the following is definitely the input?

1. 94 car window 86 shut 52 31 house
2. 86 window 94 car shut 52 31 house
3. car shut window 86 52 31 house 94
4. cannot be determined

Solution: From the given step input cannot be determined

5. Input: show 51 37 now for 82 49 goot
Which of the following steps will be the last but one?

1. Step 7
2. Step 8
3. Step 6
4. Step 5

Solution: Step 1: 82 show 51 37 now for 49 goot
Step 2: 82 for show 51 37 now 49 goot
Step 3: 82 for 51 show 37 now 49 goot
Step 4: 82 for 51 goot show 37 now 49
Step 5: 82 for 51 goot 49 show 37 now
Step 6: 82 for 51 goot 49 now show 37
Step 7: 82 for 51 goot 49 now 37 show

Instructions:(6 - 10)
A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input: 51 pour 31 star new 23 47 home
Step 1: 23 51 pour 31 star new 47 home
Step 2: 23 star 51 pour 31 new 47 home
Step 3: 23 star 31 51 pour new 47 home
Step 4: 23 star 31 pour 51 new 47 home
Step 5: 23 star 31 pour 47 51 new home
Step 6: 23 star 31 pour 47 new 51 home

As per the rule followed in the following questions the appropriate step for the given input.

6. Step 2 of an Input is: 18 task bear cold duck 81 64 32
How many more steps will be complete the rearrangement?

1. Three
2. Four
3. Five
4. Six

Solution: Step 2: 18 task bear cold duck 81 64 32
Step 3: 18 task 32 bear cold duck 81 64
Step 4: 18 task 32 duck bear cold 81 64
Step 5: 18 task 32 duck 64 bear cold 81
Step 6: 18 task 32 duck 64 cold bear 81
Step 7: 18 task 32 duck 64 cold 81 bear

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7. **Input:** 72 59 37 go for picnic 24 journey
How many steps will be required to complete the rearrangement?

1. Three
2. Three
3. Five
4. Six

Solution: Step 1: 24 72 59 37 go for picnic journey
Step 2: 24 picnic 72 59 37 go for journey
Step 3: 24 picnic 37 72 59 go for journey
Step 4: 24 picnic 37 journey 72 59 go for
Step 5: 24 picnic 37 journey 59 72 go for
Step 6: 24 picnic 37 journey 59 go 72 for

8. **Input:** nick flower 37 14 cost height 42 57
which of the following will be step 3?

1. 14 nick 37 height flower cost 42 57
2. 14 nick 37 height 42 flower cost 57
3. 14 nick 37 flower cost height 42 57
4. 14 nick flower 37 cost height 42 57
Solution: Step 1: 14 nick flower 37 cost height 42 57
Step 2: 14 nick 37 flower cost height 42 57
Step 3: 14 nick 37 height flower cost 42 57

9. **Step 2 of an input is:** 17 victory 19 37 58 store like town
   which of the following will be step 3?

   1. 17 victory 19 town store 37 58 like
   2. 17 victory 19 town 37 store 58 like
   3. 17 victory 19 town 37 58 store like
   4. There will be no such step

Solution: Step 2: 17 victory 19 37 58 store like town
Step 3: 17 victory 19 town 37 58 store like
Step 4: 17 victory 19 town 37 store 58 like
Step 4 is the last step.

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10. **Step 3 of an input is:** 36 window 45 96 86 ultra book queen
   How many more steps will be required to complete the rearrangement?

   1. Three
   2. Four
   3. Five
   4. Six

Solution: Step 3: 36 window 45 96 86 ultra book queen
Step 4: 36 window 45 ultra 96 86 book queen
Step 5: 36 window 45 ultra 86 96 book queen
Step 6: 36 window 45 ultra 86 queen 96 book

**Instructions:**
A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.
Input: some found 19 other 99 27 came 45
Step 1: came some found 19 other 99 27 45
Step 2: came 99 some found 19 other 27 45
Step 3: came 99 found some 19 other 27 45
Step 4: came 99 found 45 some 19 other 27
Step 5: came 99 found 45 other some 19 27
Step 6: came 99 found 45 other 27 some 19
Step 6 is the last step of the rearrangement of the above input. As per the rules followed in the following questions the appropriate step for the given input.

11. Input: mathematics hour for 18 against 89 21 47
Which of the following will be step 2?

1. against 89 hour mathematics for 18 21 47
2. against 89 mathematics 18 hour for 21 47
3. against 89 mathematics hour for 18 21 47
4. Can not be determined

Solution: Step 1: against mathematics hour for 18 89 21 47
Step 2: against 89 mathematics hour for 18 21 47

12. Input: books all 25 57 67 greate new 39
Which of the following will be step 4?

1. all 67 books 57 greate new 25 39
2. all 67 books 57 greate 39 25 new
3. all 67 books 57 greate 25 new 39
4. Can not be determined

Solution: Step 1: all books 25 57 67 greate new 39
Step 2: all 67 books 25 57 greate new 39
Step 3: all 67 books 57 25 greate new 39
Step 4: all 67 books 57 greate 25 new 39
13. **Input:** one all 36 28 49 sleep maths 59

Which of the following will be last?

1. 6
2. 7
3. 5
4. 8

**Solution:**

Step 1: at one 36 28 49 sleep maths 59

Step 2: at 59 one 36 28 49 sleep maths

Step 3: at 59 maths one 36 28 49 sleep

Step 4: at 59 maths 49 one 36 28 sleep

Step 5: at 59 maths 49 one 36 sleep 28

14. **Step 3 of an input is:** being 69 doing 19 27 tiger fight 39

Which of the following will be last but one?

1. 6
2. 7
3. 8
4. 5

**Solution:**

Step 3: being 69 doing 19 27 tiger fight 39

Step 4: being 69 doing 39 19 27 tiger fight

Step 5: being 69 doing 39 fight 19 27 tiger

Step 6: being 69 doing 39 fight 27 19 tiger

Step 7: being 69 doing 39 fight 27 tiger 19

Step 7 is the last step.

15. **Step 2 of an input is:** earn 77 39 47 hero gold 29 more

Which of the following is definitely the input?

1. 47 77 39 earn hero gold 29 more
2. 29 39 77 47 hero gold earn more
3. hero 29 39 77 47 gold earn more
4. Cannot be determined

Solution: We cannot determine the input from any given step.

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Instructions:(16 - 20)
A word and number arrangement machine when given an input line of words and numbers rearrange them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input: flight 99 64 google 39 45 booking sparrows
Step 1: booking flight 99 64 google 39 45 sparrows
Step 2: booking 39 flight 99 64 google 45 sparrows
Step 3: booking 39 flight 45 99 64 google sparrows
Step 4: booking 39 flight 45 google 99 64 sparrows
Step 5: booking 39 flight 45 google 64 99 sparrows
Step 6: booking 39 flight 45 google 64 sparrows 99
As per the rule followed in the following questions the appropriate step for the given input.

16. Input: tourist 57 45 24 orkut bristol 64 stuart
Which of the following will be step IV?

1. bristol tourist 57 45 24 orkut 64 stuart
2. bristol 24 orkut tourist 57 45 64 stuart
3. bristol 24 orkut 45 tourist 57 64 stuart
4. bristol 24 orkut 45 stuart 57 tourist 64

Solution: Step I: bristol tourist 57 45 24 orkut 64 stuart
Step II: bristol 24 tourist 57 45 orkut 64 stuart
Step III: bristol 24 orkut tourist 57 45 64 stuart
Step IV: bristol 24 orkut 45 tourist 57 64 stuart
Step V: bristol 24 orkut 45 stuart tourist 57 64
Step VI: bristol 24 orkut 45 stuart 57 tourist 64

17. Input: screamer 57 45 28 ocelot blesbok 64 tarantula
Which of the following steps will be the last but one?

1. Three
2. Four
3. Five
4. Six

Solution:

Step I: blesbok screamer 57 45 28 ocelot 64 tarantula
Step II: blesbok 28 screamer 57 45 ocelot 64 tarantula
Step III: blesbok 28 screamer ocelot 57 45 64 tarantula
Step IV: blesbok 28 screamer 45 ocelot 57 64 tarantula
Step V: blesbok 28 screamer 45 ocelot 57 tarantula 64

18. **Input:** spells 44 58 94 of treasure divergent 15

Which of the following will be step IV?

1. divergent 15 spells 44 58 94 of treasure
2. divergent spells 44 58 94 of treasure 15
3. divergent 15 of spells 44 58 94 treasure
4. divergent 15 of 44 spells 58 94 treasure

Solution:

Step I: divergent spells 44 58 94 of treasure 15
Step II: divergent 15 spells 44 58 94 of treasure
Step III: divergent 15 of spells 44 58 94 treasure
Step IV: divergent 15 of 44 spells 58 94 treasure
Step V: divergent 15 of 44 spells 58 treasure 94

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19. **Step II of an Input is:** demonglass 15 shaken 35 46 87 of facebook laboratory

Which of the following will definitely be the input?

1. demonglass 15 facebook 35 laboratory shaken 46 87 of
2. demonglass 15 facebook 35 laboratory 46 of 87 shaken
3. shaken demonglass 35 46 87 of facebook 15 laboratory
4. demonglass 15 facebook shaken 35 46 87 of laboratory
Solution: Input: shaken demonglass 35 46 87 of facebook 15 laboratory
Step I: demonglass shaken 35 46 87 of facebook 15 laboratory
Step II: demonglass 15 shaken 35 46 87 of facebook laboratory
Step III: demonglass 15 facebook shaken 35 46 87 of laboratory
Step IV: demonglass 15 facebook 35 shaken 46 87 of laboratory
Step V: demonglass 15 facebook 35 laboratory shaken 46 87 of
Step VI: demonglass 15 facebook 35 laboratory 46 shaken 87 of
Step VII: demonglass 15 facebook 35 laboratory 46 of shaken 87
Step VIII: demonglass 15 facebook 35 laboratory 46 of 87 shaken

20. **Step II of the Input is**: animals 24 star 83 53 trade 67 haunt

How many more steps will be required to complete the rearrangement?

1. Three
2. Four
3. Five
4. Six

Solution: Input: star 24 animals 83 53 trade 67 haunt
Step I: animals star 24 83 53 trade 67 haunt
Step II: animals 24 star 83 53 trade 67 haunt
Step III: animals 24 haunt star 83 53 trade 67
Step IV: animals 24 haunt 53 star 83 trade 67
Step V: animals 24 haunt 53 star 67 83 trade
Step VI: animals 24 haunt 53 star 67 trade 83