

MACHINE INPUT – OUTPUT PRACTICE SET 1

**Directions (1-5): Study the given information and answer the following questions:**

**When a word and number arrangement machine is given an input line of words and answers, it arranges them following a particular rule. The following is an illustration of input and rearrangement. (All the numbers are two-digit numbers.)**

**Input : cold 73 desert 65 wonderful 98 38 girl 16 air 12 beauty 5 xavier**

Step 1 :: air 98 cold 73 desert 65 wonderful 38 girl 16 12 beauty 5 xavier

Step 2 :: beauty 73 air 98 cold desert 65 wonderful 38 girl 16 12 5 xavier

Step 3 :: cold 65 beauty 73 air 98 desert wonderful 38 girl 16 12 5 xavier

Step 4 :: desert 38 cold 65 beauty 73 air 98 wonderful girl 16 12 5 xavier

Step 5 :: girl 16 desert 38 cold 65 beauty 73 air 98 wonderful 12 5 xavier

Step 6 :: wonderful 12 girl 16 desert 38 cold 65 beauty 73 air 98 5 xavier

Step 7 :: xavier 5 wonderful 12 girl 16 desert 38 cold 65 beauty 73 air 98

**Step 7 is last step of the above arrangement as the intended arrangement is obtained. As per the rules followed in the given steps, find out the appropriate steps for the given input.**

**Input : water 56 table 21 rising high 36 48 ground fast 82 96 above 8**

**1) How many steps would be required for getting the final output?**

- (a) Five (b) Four (c) Seven (d) Six  
(e) None of the above

**2) Which of the following would be 6<sup>th</sup> from the left end in step 5?**

- a) 56  
b) Table  
c) Rising  
d) High  
e) None of these

**3) What is the position of 'height' in the last step?**

- (a) Fifth from the right end  
(b) Fifth from the left end  
(c) seventh from the left end  
(d) Ninth from the right end  
(e) None of these

**4) Which of the following is fifth to right of 'above' in Step III ?**

- (a) table (b) 48 (c) high (d) 56 (e) None of these

5) Which element is fifth to the right of sixth from the left end?

- a) fast b) 82 c) rising d) none of these

**Directions(6-10): Study the following information carefully and answer the given questions.**

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: either on 2 6 floor 5 some 3 hen 4

**Step I** : some 4 either on 2 6 floor 5 3 hen

**Step II** : on 2 some 4 either 6 floor 5 3 hen

**Step III**: hen 3 on 2 some 4 either 6 floor 5

**Step IV** : floor 5 hen 3 on 2 some 4 either 6

Step V : either 6 floor 5 hen 3 on 2 some 4

Step V is the last step of the above arrangement.

As per the rules followed in the steps given above, find out in each of the following questions the appropriate step for the given input.

**Input** : 5 position height 9 extreme following 4 rule 7 8 short 6

**6) Which of the following is sixth from the right end in Step IV ?**

- (a) short  
(b) 5  
(c) following  
(d) 7  
(e) None of these

**7) How many step will be required to complete the arrangements ?**

- (a) five  
(b) six  
(c) seven  
(d) eight  
(e) None of these

**8) What is the position of '9' in the second last step?**

- (a) Third from the right  
(b) Fourth from the right  
(c) Fifth from the left  
(d) Second from the left end  
(e) None of these

**9) Which of the following is fifth to right of 'position' in Step III ?**

- (a) height  
(b) 4  
(c) rule  
(d) 5  
(e) None of these

**10) What is the position of ' height' in the last step?**

- (a) Fifth from the right end (b) Fifth from the left end  
(c) Eight from the left end  
(d) Ninth from the right end (e) None of these

**Directions (11-15): Study the given information and answer the questions:**

**A number arrangement machine, when given an input line of number rearranges their following a particular rule in each step. The following is the illustration of the input and steps of arrangement. (All the numbers are two-digit numbers)**

**Input**: prepare 14 21 a new method 72 38 97 for studies 68

**Step I**: for a prepare 14 21 new method 72 38 97 studies

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**Step II:** 21 14 for a prepare new method 72 38 97 studies 68

**Step III:** new method 21 14 for a prepare 72 38 97 studies 68

**Step IV:** 68 38 new method 21 14 for a prepare 72 97 studies

**Step V:** studies prepare 68 38 new method 21 14 for a 72 97

**Step VI:** 97 72 studies prepare 68 38 new method 21 14 for a

Step VI is the last step of the above arrangement as the intended arrangement is obtained. As per the rules followed in the given steps, find out the appropriate steps for the given input.

**Input:** developing 44 markets 38 27 economic practice required 16 83 72 today.

**Q11. Which of the following is step five of the given input?**

- (a) today 44 required 38 practice 27 markets 83 developing 72 economic 16  
 (b) required 44 today 38 markets 27 practice 83 economic 72 developing 16  
 (c) required today 44 38 markets practice 83 72 economic 27 developing 16  
 (d) 44 38 required today 27 16 markets practice 83 72 developing economics  
 (e) today required 44 38 practice markets 27 16 economic developing 83 72

**Q12. In which step are the elements '72 today required 44' found in the same order?**

- (a) Sixth (b) The given order of elements is not found in any step (c) Second (d) Fourth  
 (e) First

**Q13. What is the position of 'markets' from the left end in the first step?**

- (a) Fourth (b) Third (c) Eighth (d) Ninth  
 (e) Fifth

**Q14. Which element is exactly between '38' and 'required' in the second step of the given input?**

- (a) 27 (b) There is no element in between  
 (c) practice (d) economic (e) 44

**Q15. Which element is fifth to the left of the element which is ninth from the left end of the fourth step?**

- (a) 16 (b) practice (c) 27  
 (d) economic (e) markets

**Directions(16-20): Study the following information carefully and answer the questions asked:**

When a word and number arrangement machine is given an input line words and number, it arranges them following a particular rule. The following is the illustration of input and re-arrangement-

**Input: drought 89 famine 12 tornado 64 landslide 92 Monday 41 25 cyclone**

**Step I:** cyclone 11 drought 89 famine tornado 64 landslide 92 Monday 41 25

**Step II:** cyclone 11 drought 24 89 famine tornado 64 landslide 92 Monday 41

**Step III:** cyclone 11 drought 24 famine 40 89 tornado 64 landslide 92 Monday

**Step IV:** cyclone 11 drought 24 famine 40 landslide 63 89 tornado 92 Monday

**Step V:** cyclone 11 drought 24 famine 40 landslide 63 Monday 88 tornado 92

**Step VI:** cyclone 11 drought 24 famine 40 landslide 63 Monday 88 tornado 91

**Step VII:** cyclone 33 drought 96 famine 240 landslide 756 Monday 1144 tornado 1820

**This is the final arrangement and step VII is the last step for this input**

**Input: tart doughnut 28 49 marshmallow 33 72 58 custard strawberry 99 kitkat**

**16) What will be fifth step for the input given above?**

- (a) custard 27 doughnut 32 kitkat 48 marshmallow 57 tart 72 strawberry 99  
 (b) custard 27 doughnut 33 kitkat 48 marshmallow 57 tart 72 strawberry 99  
 (c) custard 27 doughnut 32 kitkat 48 marshmallow 57 tart 73 strawberry 99  
 (d) custard 27 doughnut 32 kitkat 48 marshmallow 57 strawberry 71 tart 99  
 (e) None of these

**17) Which of the following would the 5th element from right end in step VII?**

- (a) 741 (b) 57 (c) strawberry  
 (d) kitkat (e) There is no such step

**18) How many steps will be required to get the final output for the given input?**

- (a) Eight (b) Four (c) Six (d) None of these  
 (e) Five

**19) Which of the following would be third to the right of the fifth number from right end in Step II?**

- (a) custard (b) 99 (c) marshmallow  
 (d) 58 (e) None of these

**20) If in the final step custard is related to marshmallow and strawberry in a way, then tart will be related to which of the following by the same logic?**

- (a) 528 (b) kitkat (c) custard (d) 98  
 (e) marshmallow

**(21-25) Study the following information carefully and answer the given questions.**

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of Input and rearrangement.

**Input : 85Net98Dog52AppleCat76 34Ball**

**Step 1: Not 35 85 98 Dog 52 Apple Cat 76 Ball**

**Step 2: Deg 53 Not 35 85 98 Apple Cat 76 Ball**

**Step 3: Cut 77 Deg 53 Not 35 85 98 Apple Ball**

**Step 4: Bull 84 Cut 77 Deg 53 Not 35 98 Apple**

**Step 5: Uplo 99 Bull 84 Cut 77 Deg 53 Not 35**

And step 5 is the last step of the above input. As per the rules followed in the above step, find out the appropriate step for the given output.

**INPUT: 83 Nose 96 Deer 54 Pin Cap 75 32 Bull**

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21) In step 3, what is the sum of fifth from right element and fourth from left element?

1. 88    2. 76    3. 66    4. 64    5. 92

22) What is the position of 'Pin' in the step 3?

1. Seventh from the right    2. Sixth from the left  
3. Fourth from the left    4. Sixth from the right  
5. None of these

23) Which element is exactly between the fourth from left and third from right in step 2?

1. 33    2. Deer    3. 83    4. 96  
5. None of these

24) Which step number would be the following output?  
"Cup 82 Door 74 Naso 55 Pin 33 96 Bull"

- A. Step III    B. Step IV    C. Step V  
D. Step VI    E. None of the Above

25) Which of the following would be at the third position from the left end in step 4?

1. Bull    2. 74    3. Pin    4. Cup    5. Door

(26-30) Study the following information carefully and answer the given questions.

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of Input and rearrangement.

**INPUT :** 82 Songs 92 Dance 58 Table Pillow 74 31 Basket

**STEP 1 :** Tebli 33 82 Songs 92 Dance 58 Pillow 74 Basket

**STEP 2 :** Sungs 61 Tebli 33 82 92 Dance Pillow 74 Basket

**STEP 3 :** Polluw 77 Sungs 61 Tebli 33 82 92 Dance Basket

**STEP 4 :** Denci 88 Polluw 77 Sungs 61 Tebli 33 92 Basket

**STEP 5 :** Beskit 99 Denci 88 Polluw 77 Sungs 61 Tebli 33

And step V is the last step of the above input. As per the rules followed in the above step, find out the appropriate step for the given output.

**INPUT :** 81 smile 93 Devil 53 Twin Poor 73 33 Bat

26) Which of the following term exactly comes between '55' and '33' in step 3?

1. Smoli    2. Purr    3. Twon    4. Divol  
5. None of these

27) How many steps will be required to complete the above input?

1. Three    2. Four    3. Five    4. Six  
5. None of these

28) Which of the following will be the fourth step of the given input?

1. Divol 88 Puur 76 Smoli 55 Twon 33 93 Bat  
2. Divol 88 Puur 77 Smoli 55 Twon 34 93 Bat  
3. Divol 87 Puur 77 Smoli 55 Twon 33 92 Bat  
4. Divol 88 Puur 77 Smoli 55 Twon 33 93 Bat  
5. None of these

29) How many elements are there between 88 and Twon in step 4?

1. One    2. Two    3. Three    4. Four  
5. None of these

30) Which of the following would be at the fifth position from the right end in step 2?

1. 88    2. 77    3. 99    4. Divol    5. 93

**Directions (31-35):** Study the following information carefully and answer the given questions.

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 the input and its rearrangement:

**Input:** 70 five always 69 prime 55 nice line 56 40 money 50

**Step I:** prime 40 70 five always 69 55 nice line 56 money 50

**Step II:** prime 40 nice 50 70 five always 69 55 line 56 money

**Step III:** prime 40 nice 50 money 55 70 five always 69 line 56

**Step IV:** prime 40 nice 50 money 55 line 56 70 five always 69

**Step V:** prime 40 nice 50 money 55 line 56 five 69 70 always

**Step VI:** prime 40 nice 50 money 55 line 56 five 69 always 70

Step VI is the last step of the rearrangement of the above input. As per the rules followed in the above steps, find out in each of the questions the appropriate step for the given input.

**Input:** 61 go 45 name read 28 pen 14 23 this 35 what 49 same

31) How many steps will be required to complete the given input?

- (a) Five    (b) Six    (c) Seven    (d) Eight  
(e) None of these

32) What is the position of 'name' from the left end in the last step?

- (a) Second    (b) Tenth    (c) Fourth    (d) Eleventh  
(e) None of these

33) Which element is fifth to the right of 'read' in Step VI?

- (a) 61    (b) 49    (c) go    (d) this    (e) None of these

34) Which of the following is the seventh element from the left end in Step III?

- (a) 61    (b) go    (c) read    (d) 35    (e) None of these

35) What is the position of '35' in Step IV?

- (a) Fifth from the right end  
(b) Eighth from the left end  
(c) Seventh from the left end  
(d) Ninth from the right end  
(e) None of these

**Directions (36-40):** Study the given information and answer the following questions:

When a word and number arrangement machine is given an input line of words and answers, it arranges them following a particular rule. The following is an illustration of input and rearrangement. (All the numbers are two-digit numbers.)

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**Input : 13 life 17 is 61 good 54 work 38 hard for 40 success 89**

Step 1 : 89 work 13 life 17 is 61 good 54 38 hard for 40 success

Step 2 : 89 work 61 success 13 life 17 is good 54 38 hard for 40

Step 3: 89 work 61 success 17 life 13 is good 54 38 hard for 40

Step 4 : 89 work 61 success 17 life 13 is 38 hard good 54 for 40

Step 5 : 89 work 61 success 17 life 13 is 38 hard 40 good 54 for

**Step 5 is last step of the above arrangement as the intended arrangement is obtained. As per the rules followed in the given steps, find out the appropriate steps for the given input.**

**Input : population 37 ageing 24 56 ground 29 breaking 23 path 78 zone 97**

**36) How many steps will be required to complete the given input?**

- (a) Five (b) Six (c) Seven (d) Eight  
(e) None of these

**37) What is the position of 'GROUND' from the left end in the last step?**

- (a) Second (b) Tenth (c) Fourth (d) Eleventh (e) None of these

**38) Which element is fifth to the right of 'AGEING' in Step 4?**

- (a) 37 (b) Population (c) path (d) zone (e) None of these

**39) Which element would be at the third position from the left end in step 4?**

**40) Which element is exactly between the fourth from left and third from right in step 2?**

**Direction: Q(41-45) Study the following information carefully and answer the following questions carefully: –**

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

Input – 40 moon best 23 37 car son eye 52 86 92 fat new 19

Step 1): best 19 40 moon 23 37 car son eye 52 86 92 fat new

Step 2): car 23 best 19 40 moon 37 son eye 52 86 92 fat new

Step 3): eye 37 car 23 best 19 40 moon son 52 86 92 fat new

Step 4): fat 40 eye 37 car 23 best 19 moon son 52 86 92 new

Step 5): moon 52 fat 40 eye 37 car 23 best 19 son 86 92

new

Step 6): new 86 moon 52 fat 40 eye 37 car 23 best 19 son 92

Step 7): son 92 new 86 moon 52 fat 40 eye 37 car 23 best 19

Step 7 is the last step

As per the rules followed in above steps, find out each of the following questions:-

**Input – 32 pride girl beauty 48 55 97 run fan 61 72 17 new least**

**41) Which of the following is step 4?**

- a) girl 48 fan 32 beauty 17 pride 55 97 run 61 72 new least  
b) new 61 least 55 girl 48 fan 32 beauty 17 pride 97 run 72  
c) least 55 girl 48 fan 32 beauty 17 pride 97 run 61 72 new  
d) run 97 pride 72 new 61 least 55 girl 48 fan 32 beauty 17  
e) None of these

**42) Which of the following is last but one step?**

- a) 5 b) 6 c) 7 d) 8 e) None of these

**43) Which element is third to the right of fan in step 4?**

- a) 17 b) 32 c) pride d) girl  
e) None of these

**44) What is the position of new from the right in the last step?**

- a) 9<sup>th</sup> b) 8<sup>th</sup> c) 10<sup>th</sup> d) 11<sup>th</sup> e) None of these

**45) In step 5 which element is third to the right of 11<sup>th</sup> from the right end?**

- a) 55 b) girl c) pride d) fan  
e) None of these

**Directions (46 – 50): Answer the questions on the basis of the information given below.**

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

Input : exam on 15 is cancel held before 12 but not after 20

Step I : before 12 exam on 15 is cancel held but not after 20

Step II : before 12 on 15 exam is cancel held but not after 20

Step III : before 12 on 15 after 20 exam is cancel held but not

Step IV : before 12 on 15 after 20 not exam is cancel held but

Step V : before 12 on 15 after 20 not is exam cancel held but

Step VI : before 12 on 15 after 20 not is held exam cancel but

This is the final arrangement and step VI is the last step for this input.

**46) Which of the following is the last step for following input?**

**Input : get hit 37 in 7 ball not in 1 over**

- A) in 1 in 7 hit 37 over get not ball  
B) in 1 in 7 hit 37 over not get ball

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- C) in 1 in hit 37 over 7 get ball not  
D) in in 7 hit 37 over not get ball 1  
E) None of these

47) Which is the following step?

Step: in 1 in 7 hit 37 get not ball over

- A) II B) III C) IV D) There is no such step E) None of these

48) In step IV, which of the following is at eighth position from right?

- A) get B) 7 C) 1 D) in  
E) None of these

49) Which of the following would definitely be the input if step 1 of an input is

Step I: and 05 just value 22 sip time 14

- A) value 22 just sip time 14 and 05  
B) value just 22 and 05 sip time 14  
C) value 22 and 05 sip time 14 just  
D) Cannot be determined  
E) None of these

50) Which of the following is last step of above given step I?

- A) VII B) IV C) VI D) V  
E) None of these

(51-55) 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:** not 11 basic 22 create husband 32 29 45 homage in 38

**Step I:** 11 22 not basic create husband 32 29 45 homage in 38

**Step II:** in not 11 22 basic create husband 32 29 45 homage 38

**Step III:** 29 32 in not 11 22 basic create husband 45 homage 38

**Step IV:** basic create 29 32 in not 11 22 husband 45 homage 38

**Step V:** 38 45 basic create 29 32 in not 11 22 husband homage

**Step VI:** homage husband 38 45 basic create 29 32 in not 11 22

**Step VII:** is the last step of the above input

51) Input: ice money 21 13 good 18 12 qualify 35 eligible 41 browse candidates 10

Which step will be the last but one?

- A) IX B) VI C) V D) VII

52) How many steps will be required to complete the arrangement?

- 1) VI 2) VII 3) VIII 4) X

53) Which step number is the following output?

'money browse 13 18 ice good 10 12 21 qualify 35 eligible 41 candidates'

- 1) III 2) VI 3) IV 4) V

54) How many words/numbers are there between '21' and '12' in Step VII?

- 1) Eight 2) Five 3) Three 4) Six

55) Which word/number would be at the 5th position from the right in Step V?

- 1) ice 2) qualify 3) 10 4) 12

(56-60) 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 :** Same 30 ticket dear 35 28 winter 46 ink 53 74 alright

**Step 1:** Winter 74 Same 30 ticket dear 35 28 46 ink 53 alright

**Step 2:** Winter 74 ticket 53 same 30 dear 35 28 46 ink alright

**Step 3:** Winter 74 ticket 53 same 46 30 dear 35 28 ink alright

**Step 4:** Winter 74 ticket 53 same 46 dear 35 30 28 ink alright

**Step 5:** Winter 74 ticket 53 same 46 dear 35 alright 30 28 ink

**Step 6:** Winter 74 ticket 53 same 46 dear 35 alright 30 ink 28

Step 6 is the last step of the above input. As per the rules followed in the above steps, find out the appropriate steps for the given input

**INPUT :** election 55 intel 89 outside tear 27 75 until clear 59 peace 16

56) How many steps will be required to complete the given arrangements ?

1. Six 2. Seven 3. Five 4. Eight 5. None of these

57) If the last step all the words get rearranged in alphabetical order, which of the following word will remain as its original position ?

1. intel 2. until 3. peace 4. tear 5. None of these

58) Which of the following would be at the fifth position from the left in step 5 ?

1. intel 2. clear 3. 59 4. election 5. None of these

59) Which step number would be the following output ?

"tear 89 peace 75 election 59 clear 55 intel outside 27 until 16"

1. Step 3 2. Step 2 3. Step 5 4. Step 4 5. None of these

60) How many words/numbers are there between '89' and 'intel' in step 3 ?

1. 6 2. 4 3. 5 4. 2 5. None of these

(61-65) Study the following information and answer the given questions

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

**Input :** apple 28 narrow cell eagle 33 live own 41 jungle utility 53

**Step 1:** cell narrow eagle 33 live own 41 jungle utility 53 apple 28

**Step 2:** cell jungle narrow live own 41 utility 53 apple 28 eagle 33

**Step 3:** cell jungle live narrow utility 53 apple 28 eagle 33 own 41

**Step 4:** cell jungle live narrow apple 28 eagle 33 own 41 utility 53.

61) Input : people tear copy eye 27 open 39 fear kitkat inlet 20 arrive 46 help

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How many steps will be required to complete the above arrangement of the input ?

- A)5  
B)4  
C)6  
D)7  
E) None of these
- 62) Which of the following will be the seventh from the right end in the last step ?  
A)46  
B)arrive  
C)tear  
D)27  
E)None of these
- 63) How many elements are there between fear and 46 in step 3 ?  
A)3  
B)4  
C)7  
D)5  
E) None of these
- 64) How many elements are there between fear and 46 in step 3 ?  
A)3  
B)4  
C)7  
D)5  
E) None of these
- 65) Find the output for the following input ?  
Input : sea wear urgent 65 humble ink 79 use 10 key future age 8  
A) future key sea wear urgent 65 humble age 8 ink 79 use 10  
B) future wear sea urgent 65 humble use 10 key age 8 ink 79  
C) future humble ink 79 key sea wear urgent 65 use 10 age 8  
D) future humble key sea wear age 8 ink 79 urgent 65 use 10  
E) None of these

(66-70) Study the following information carefully and answer the given questions.

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of Input and rearrangement.

Input: any number less than 30 and more than 20 does not equal 40

Step I: than 20 any number less than 30 and more does not equal 40

Step II: than 20 than 30 any number less and more does not equal 40

Step III: than 20 than 30 equal 40 any number less and more does not

Step IV: than 20 than 30 equal 40 number any less and more does not

Step V: than 20 than 30 equal 40 number not any less and more does

Step VI: than 20 than 30 equal 40 number not more any less and does

Step VII: than 20 than 30 equal 40 number not more less any and does

Step VIII: than 20 than 30 equal 40 number not more less does any  
and Step VIII is the last Step

Input: White Ice 20 Blue Tiger 12 Bull Ship Tiger 40

- 66) Which step number would be the following output? "Tiger 12 Ice 20 Tiger 40 White Ship Blue Bull"  
A. Step III B. Step IV C. Step V  
D. Step VI E. None of the Above
- 67) How many steps would be needed to complete the arrangement?  
A. III B. IV C. V D. VI  
E. None of the Above
- 68) If in the Step III, 'Ice' interchanges its position with 'Blue' and '20' also interchanges its position with 'White', then which element will be fourth to the left of '20'?  
A. Tiger B. Ice C. Blue D. Both Tiger and Blue  
E. None of the Above
- 69) Which elements come exactly between 'White' and 'Bull' in Step II of the given input?  
A. Tiger B. Ice C. Blue D. Both Tiger and Blue  
E. None of the Above
- 70) Which of the following combinations represents the first two and the last two element of the step III of the given input?  
A. Tiger, 12, Bull, Ice B. Tiger, 20, White, Ship  
C. White, 40, Bull, Ship D. Tiger, 12, Bull, Ship  
E. None of the Above