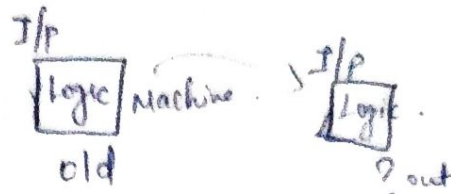


UNIT-III

Verbal Reasoning II.

Machine Input and Output:



Types

- * Single shifting (shift one element in one step)
- * Double shifting
- * Batch Process

Single Shifting
Ex. I/p: 7 2 4 1 5 3 8

①	1	7	2	4	5	3 8
②	1	2	7	4	5	3 8
③	1	2	3	7	4	5 8
④	1	2	3	4	7	5 8
⑤	1	2	3	4	5	7 8

Inner to outer

8	7	2	4	1	5	3
7	8	2	4	1	5	3
5	7	8	2	4	1	3
4	5	7	8	2	4	1 3
3	4	5	7	8	2	1
2	3	4	5	7	8	1
1	2	3	4	5	7	8

① Input : Paper brown 35 49 19 owl fruit 22

- Step 1: 19 paper brown 35 49 owl fruit 22
 Step 2: 19 paper 22 brown 35 49 owl fruit
 Step 3: 19 paper 22 owl brown 35 49 fruit
 Step 4: 19 paper 22 owl 35 brown 49 fruit
 Step 5: 19 paper 22 owl 35 fruit brown 49
 Step 6: 19 paper 22 owl 35 fruit 49 brown

- (How many steps required to solve this problem?)
 ② Input: 23 was 47 38 care time fire 53.
 What will be the output in step VI?

23 w 47 38 c t f 53

- ① 23 W 38 47 c t f 53
- ② 23 W 38 t 47 c f 53
- ③ 23 W 38 t 47 f c 53
- ④ 23 W 38 t 47 f 53 c

~~2/3~~ ~~4/7~~ ~~3/8~~ ~~5/3~~
 L₁ L₂ L₅ L₃ L₈ L₄ L₆ L₇

⑤ 23 W 38 t 47 f c 53

23 W

① 23 W 38 ^{6th from the L.E in step ②}
 which of the following is 3rd from the right end in step ②
 23 W 38 t 47 c f 53

- ③ Input: bat quilt far crisp tip learn six

(which logic?)
 Step 1: Crisp bat quilt far tip learn six
 Step 2: Crisp quilt bat far tip learn six
 Step 3: Crisp quilt learn bat far tip six.
 Step 4: Crisp quilt learn bat far six tip.

(Step 4 is the last step for this input)

- ④ Input: jug 91 stable 24 46 32 over cake.

- ① : 24 jug 91 stable 46 32 over cake
- ② : 24 stable jug 91 46 32 over cake
- ③ : 24 stable 32 over jug 91 46 over cake
- ④ : 24 stable 32 over jug 91 46 cake
- ⑤ : 24 stable 32 over 46 jug 91 cake
- ⑥ : 24 stable 32 over 46 j'

- ⑤ Input: break 72 pot new 28 36 17 store.
Which of the following steps will be the last but one?

~~72~~ ^① 4 ~~28~~ ^③ 4 ~~36~~ ^④ 4 ~~17~~ ^② 3 ~~store~~ 8
 4 4 4 3 4 8

- ⑥ Input: ginger year town sour cat bring ink pot
Which of the following steps will be the last but one.
a) 6 b) 5 c) 7 d) 8 e) None.

Single Double shifting

- ① Input: Paper ice-cream file carrom umbrella
apple height eagle management orange

Step 1: apple ice-cream file carrom umbrella
height eagle management orange paper.

Step 2: apple eagle ice-cream file carrom
umbrella height ~~management~~ orange management
paper

Step 3: apple eagle ice-cream orange file carrom
umbrella height height Management paper.

Step 4: apple eagle ice-cream orange umbrella.
carrom file height management paper.

- ② Input: bsnl airtel jio universal airtel vodafone
idea tatadocomo uninor reliance.

How many steps will be required to get the final output.