

Q

If KANSAS + OHIO = OREGON then find the value of $G+R+O+S+S$

1-7

2-8

3-9

4-10

Sol.

$$KANSAS + OHIO = OREGON$$

The value of $O=5$

$$OHIO = 5865$$

$$OREGON = 503157$$

$$GROSS = 4+R+O+S+S = 4+R+5+2+2$$

5. Solve the Missionaries cannibals Problem using following i/p & o/p

Start state

3M
3C

0M
0C

← state 1

0M
1C

← state 2

0M
2C

← state 3

1M
0C

← state 4

1M
1C

← state 5

1 M
2 C

← State 6

2 M
0 C

← State 7

2 M
1 C

← State 8

2 M
0 C

← State 9

⑥ Solve the Vacuum cleaner Problem using following IP & O/P

Step 1

Vacuum cleaner Dirt	Dirt
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Step 2

Dirt	Vacuum cleaner Dirt
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Step 3

Vacuum cleaner	Dirt
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Step 4

Dirt	Vacuum cleaner
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Step 5

Vacuum cleaner Dirt	
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Step 6

	Vacuum cleaner Dirt
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Step 7

Vacuum cleaner	
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Step 8

	Vacuum cleaner
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