



Mahendra's



SSC CGL/CPO/CHSL

REASONING



DICE



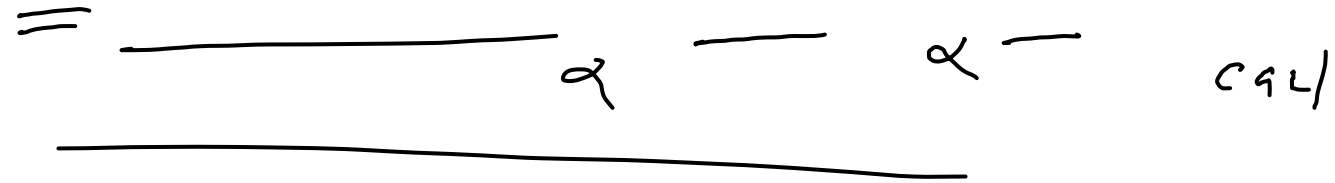
LIVE

07:30 PM



7:30

(CGL) → (CHSL) → (MTS) → IB → FCI

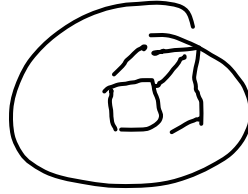


2
112

Day (1hr) → 7:30 → (LIVE) →

dice →

cube

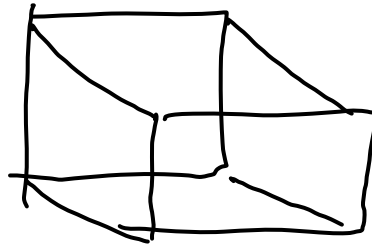


ABOUT DICE

Dice is a cube. It has six faces like top, bottom, front, back, left and right.

OR

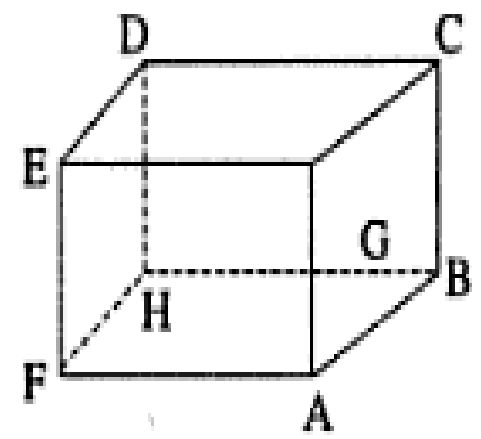
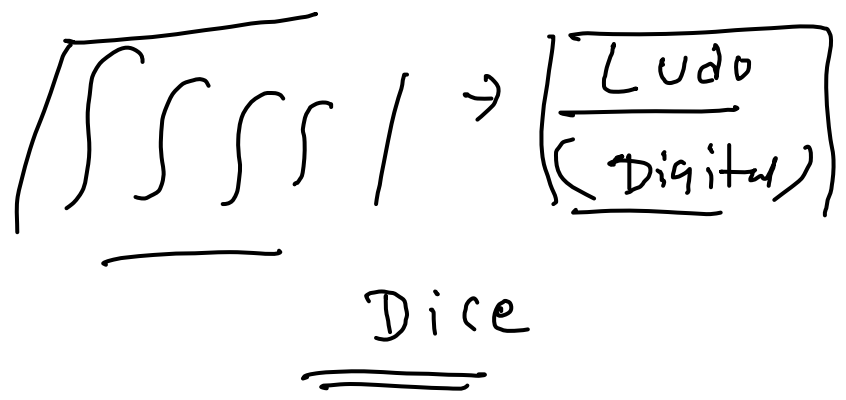
A dice is a three dimensional figure with 6 surfaces. It may be in form of a cube or a cuboid. After observing these figure, we have to find the opposite side of the dice.

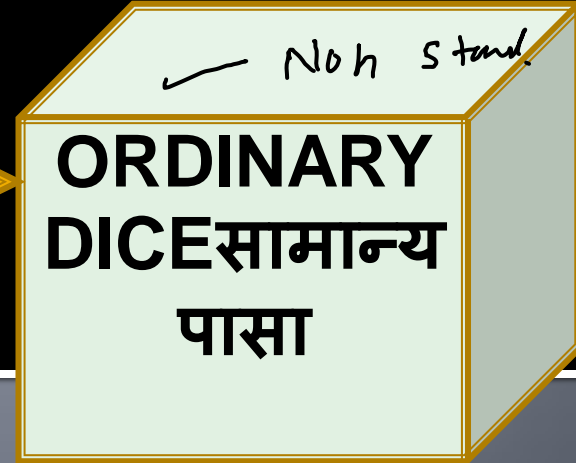


Key point of Dice

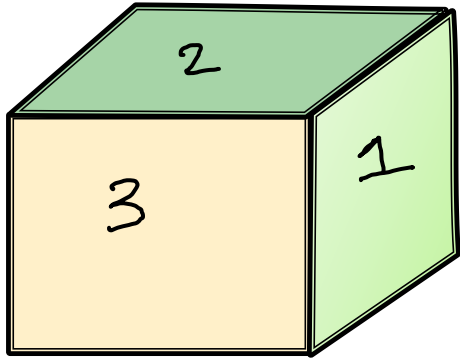
One face adjacent is four face

Dice →





STANDRAD DICE IMPORTANT POINT



$$\left. \begin{array}{l} 1 = 6 \\ 2 = 5 \\ 3 = 4 \end{array} \right\} \textcircled{7}$$

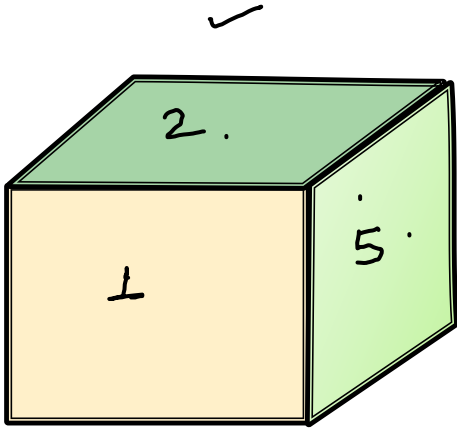


1 Using Either Only Number 1 to 6 or Dots

2 The sum of the number on the all opposite faces will be equal to '7' always.

3. Adjacent faces sum is not equal to 7

NON STANDRAD DICE IMPORTANT POINT



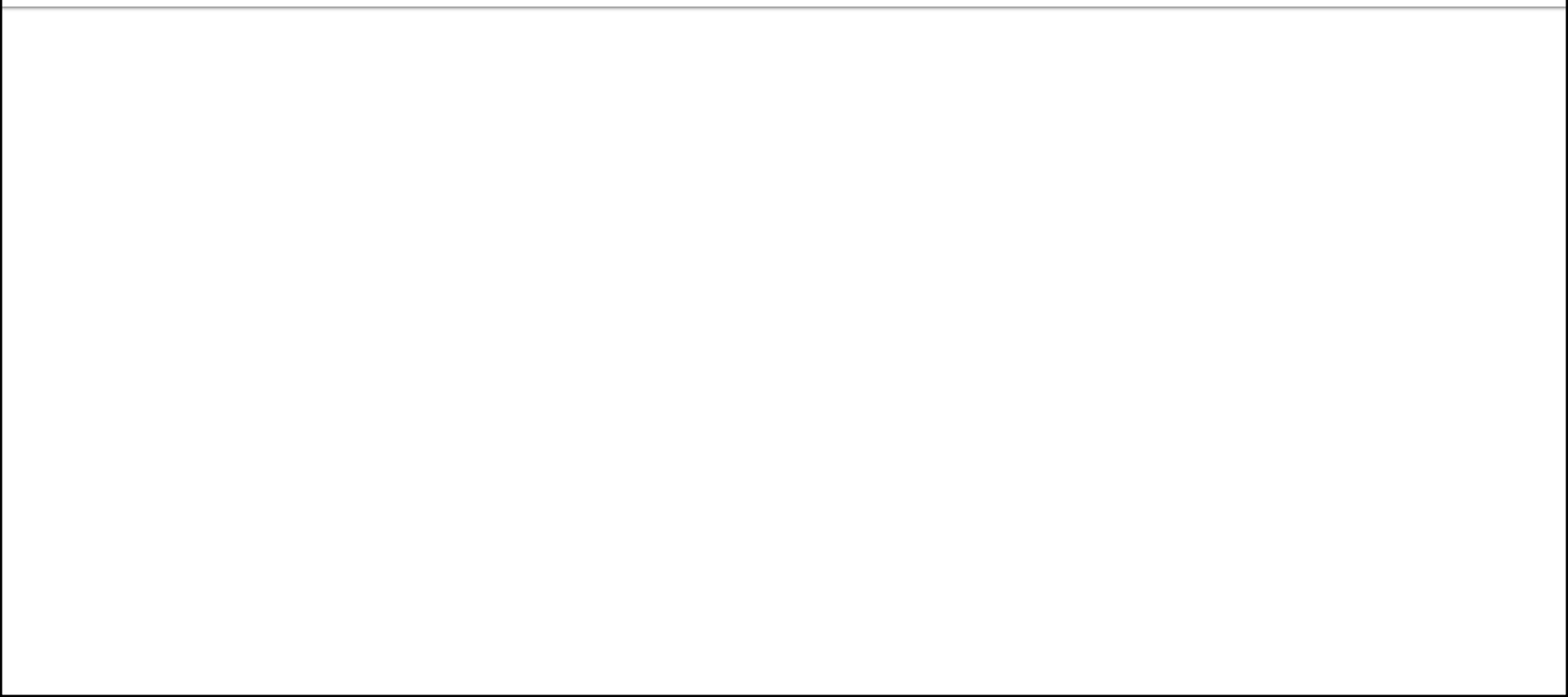
$$2 = 5$$

Non Standard

1. Using any Number, name, symbol, place etc. In other word using any thing 1 to 6 or Dots
2. The sum of the number of any adjacent faces will be equal to '7'.
3. All opposite faces will be not equal to '7' always.

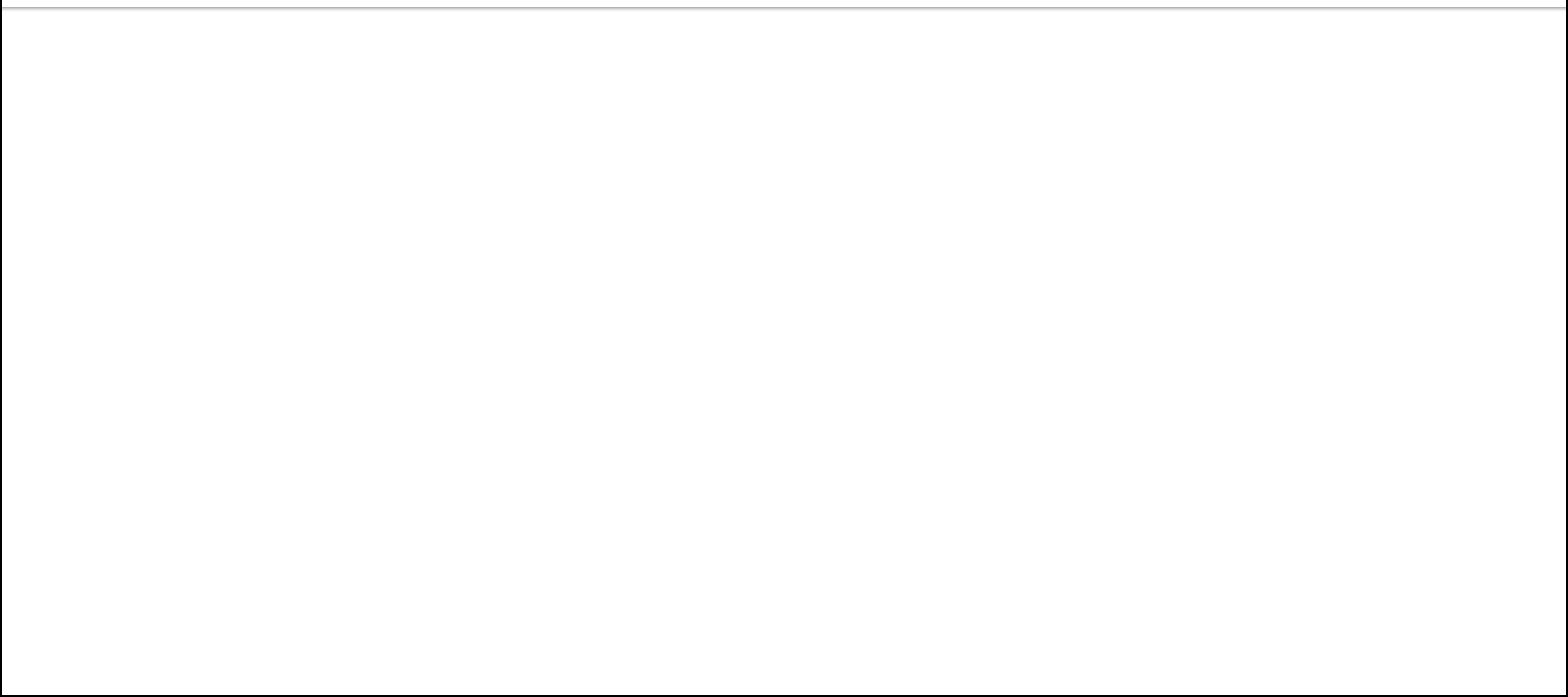
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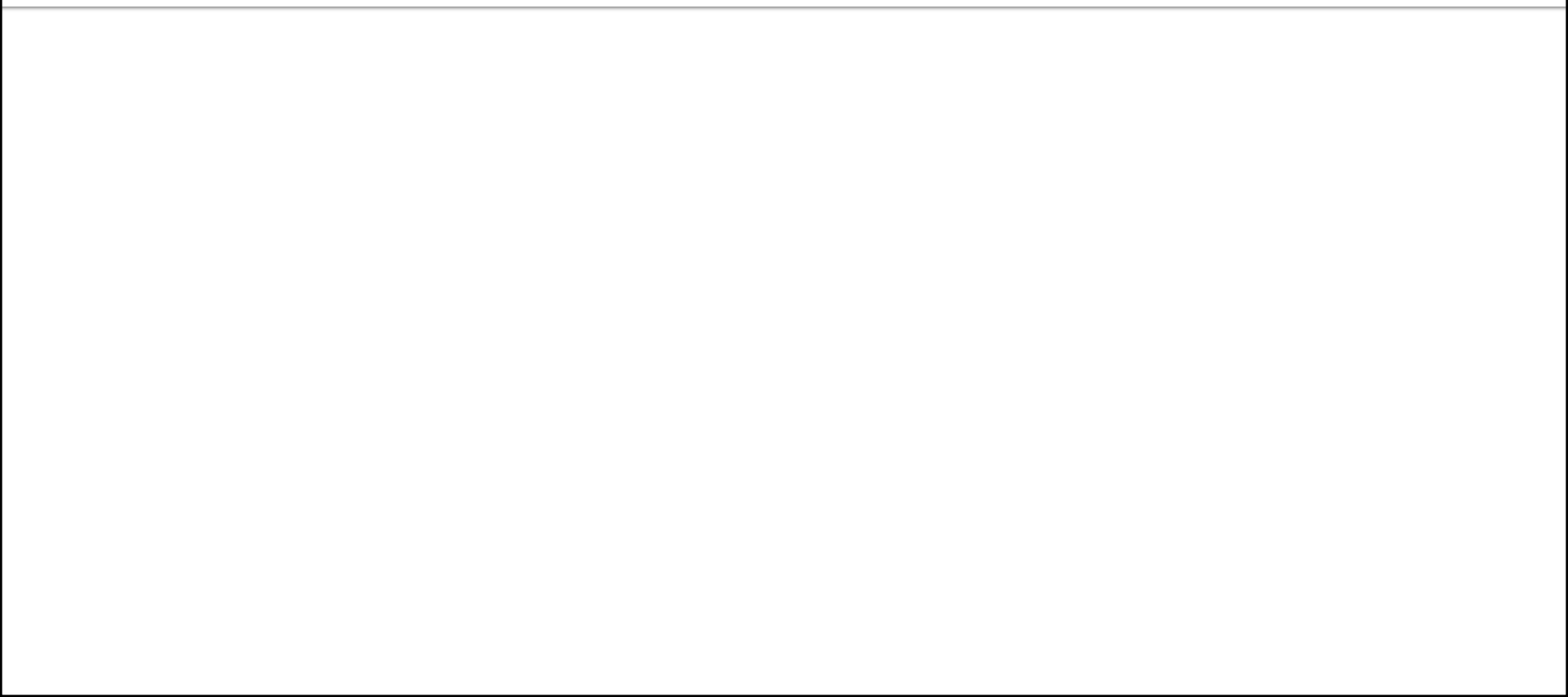
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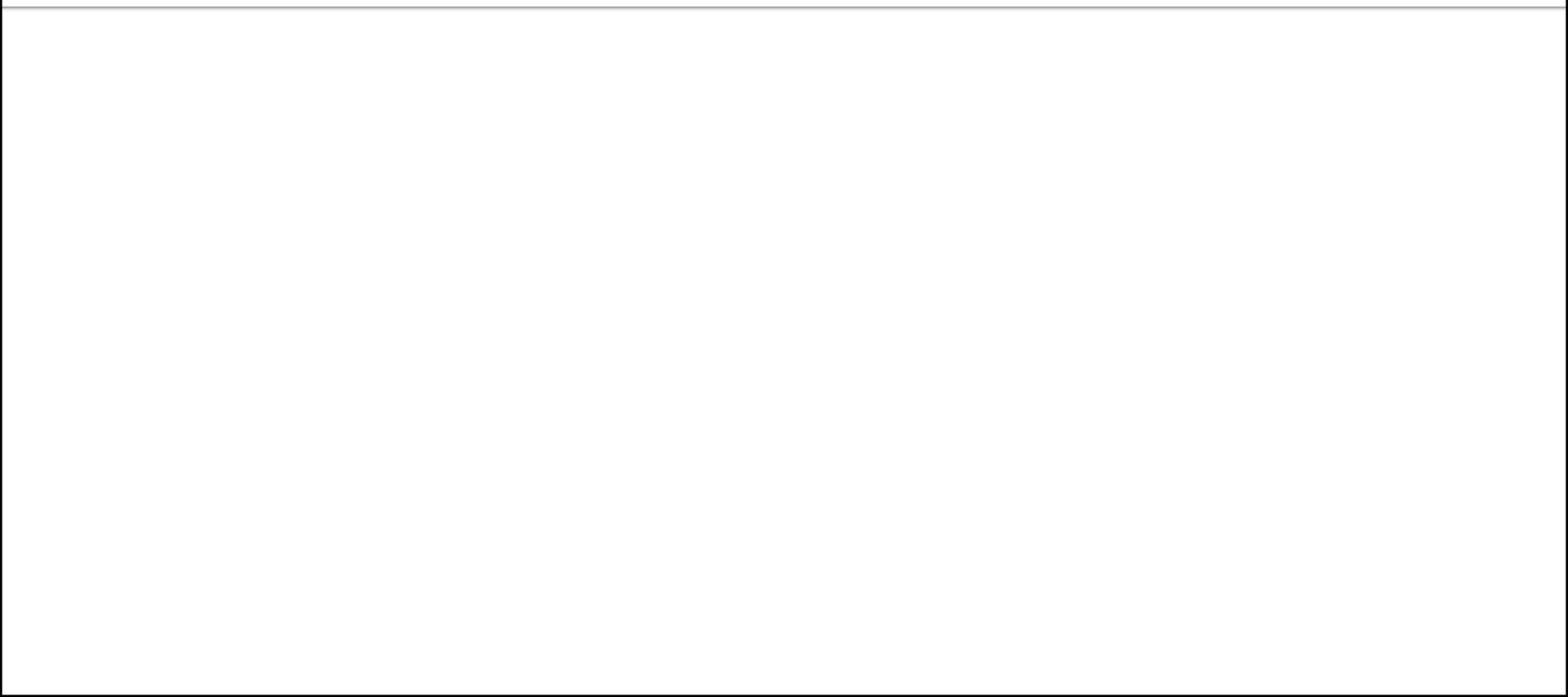
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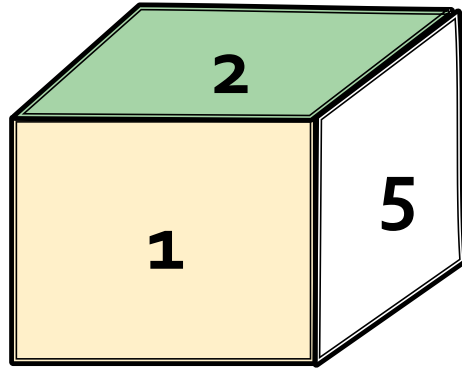
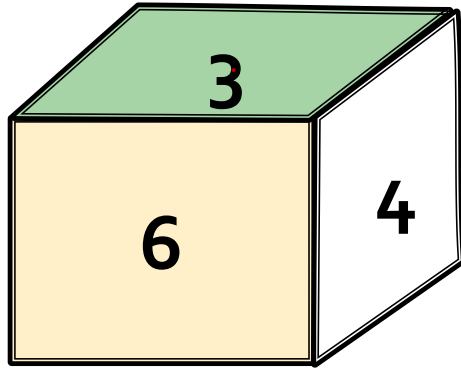
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NO COMMON CONCEPT (USING NO 1 TO 6)

GENERALIZE RULE -1

$3 \rightarrow \cancel{6} \cancel{4} \quad 2/1/5$
 $6 \rightarrow \cancel{3} \cancel{4} \quad 2/1/5$
 $4 \rightarrow \quad 2/1/5$

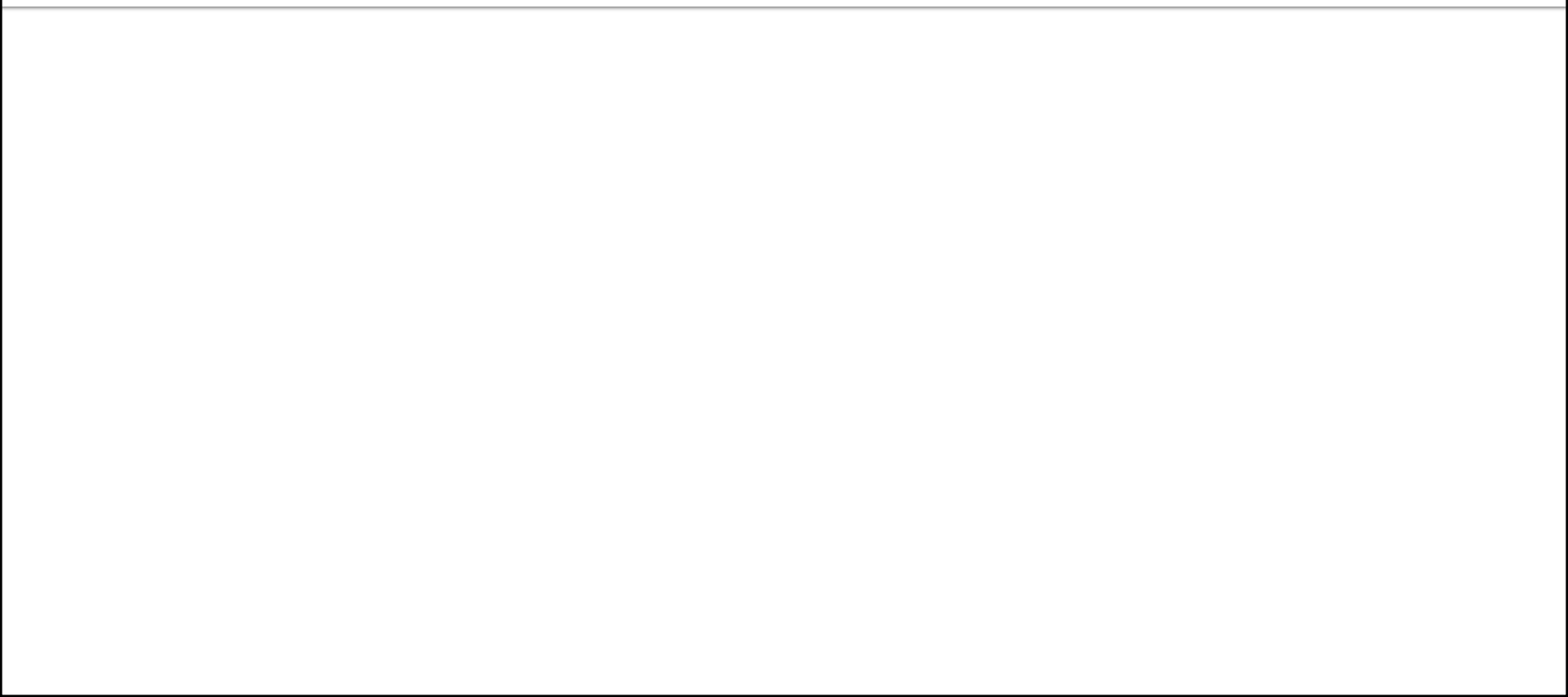


$9-1$

$(5+4+1)$

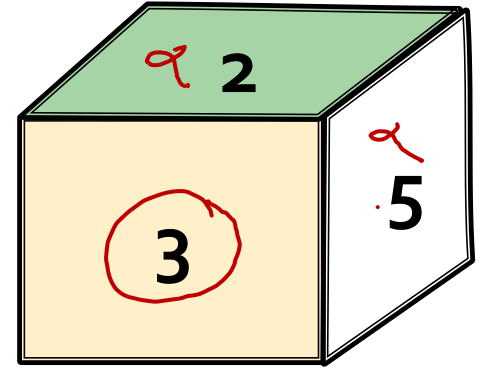
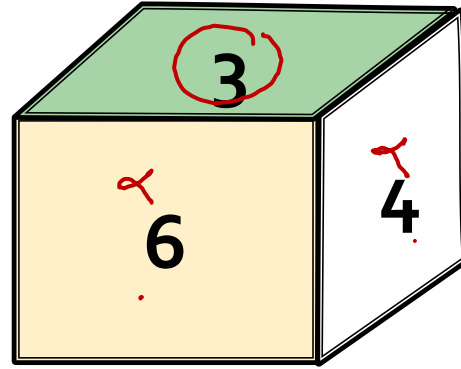
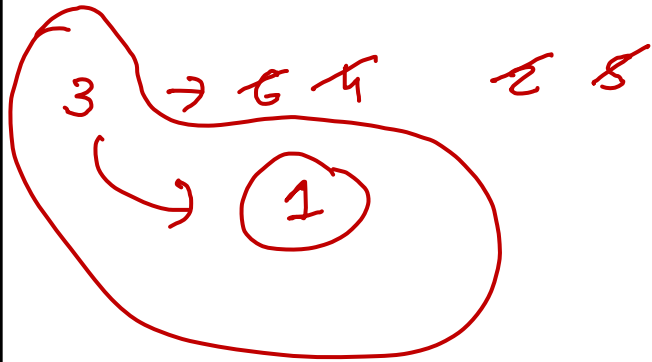
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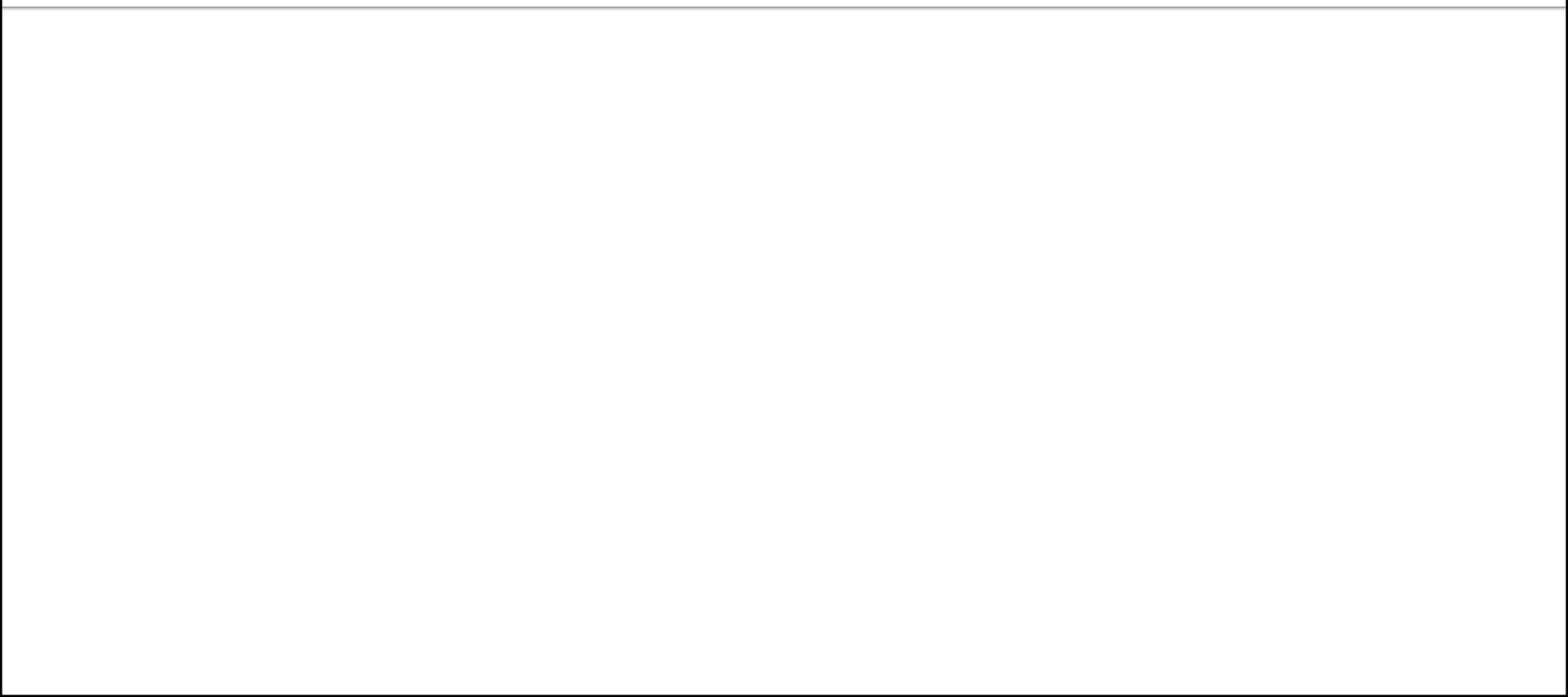
ONE COMMON CONCEPT (USING NO 1 TO 6)

UNIVERSAL RULE -1



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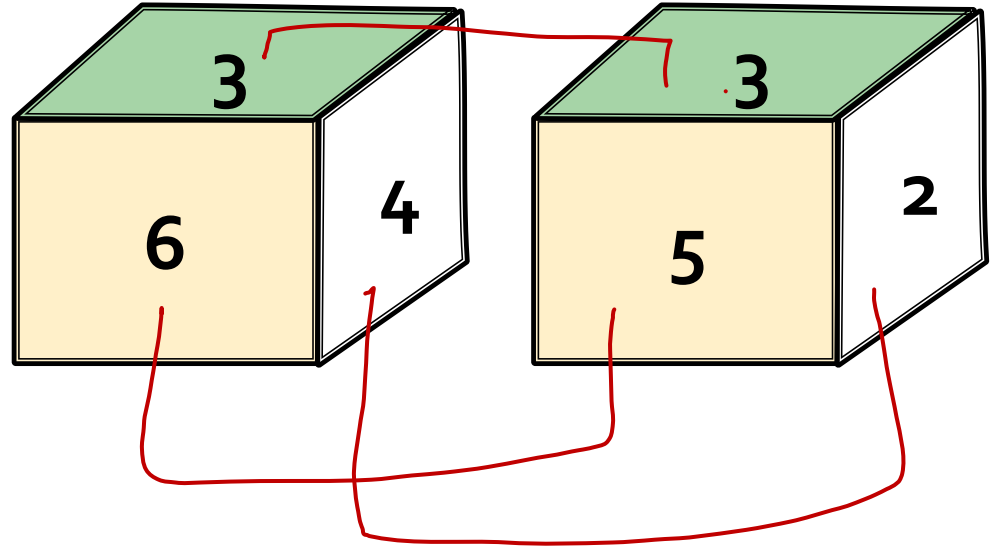


ONE COMMON CONCEPT (USING NO 1 TO 6)

TOP RULE

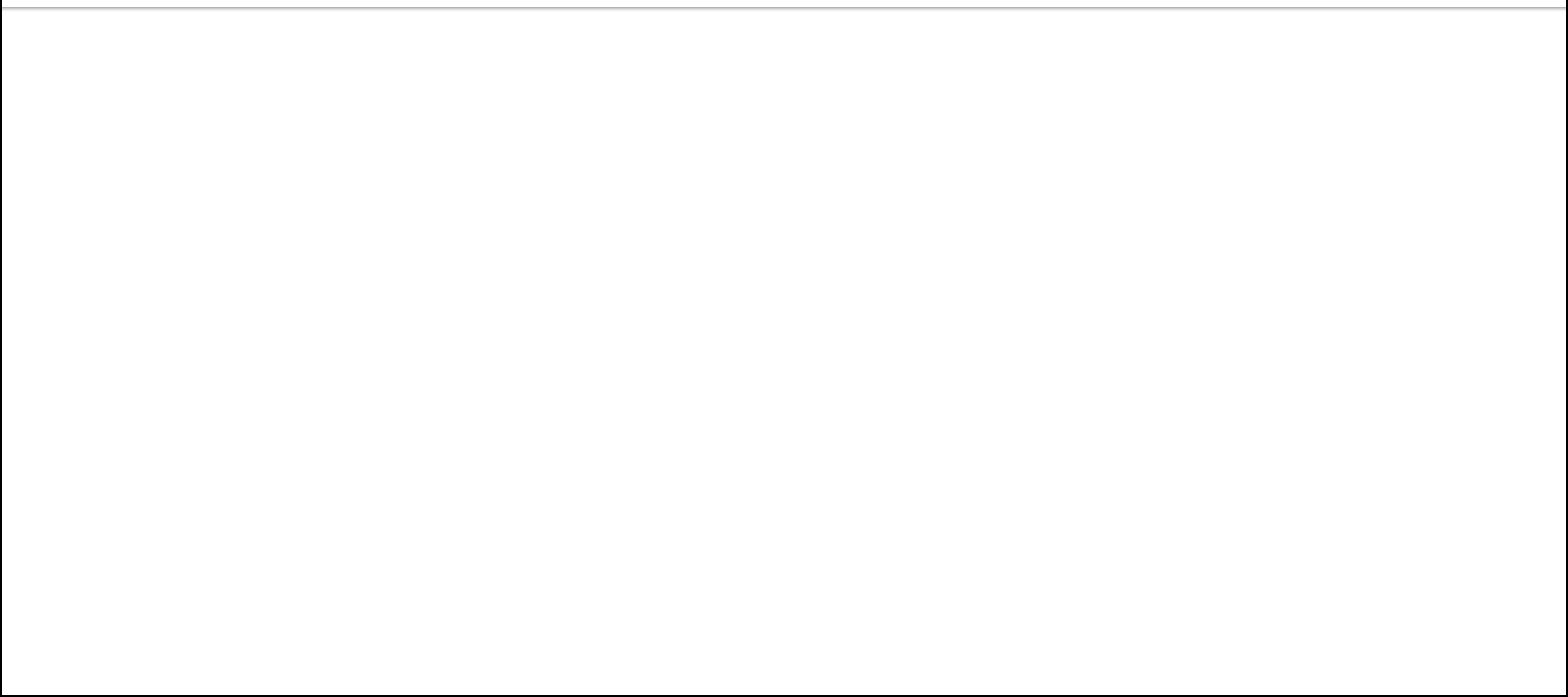
$$\underline{\underline{\textcircled{3}}} = \underline{\underline{\textcircled{1}}}$$

$$\left\{ \begin{array}{l} 6 \Rightarrow 5 \\ 4 \Rightarrow 2 \end{array} \right\}$$



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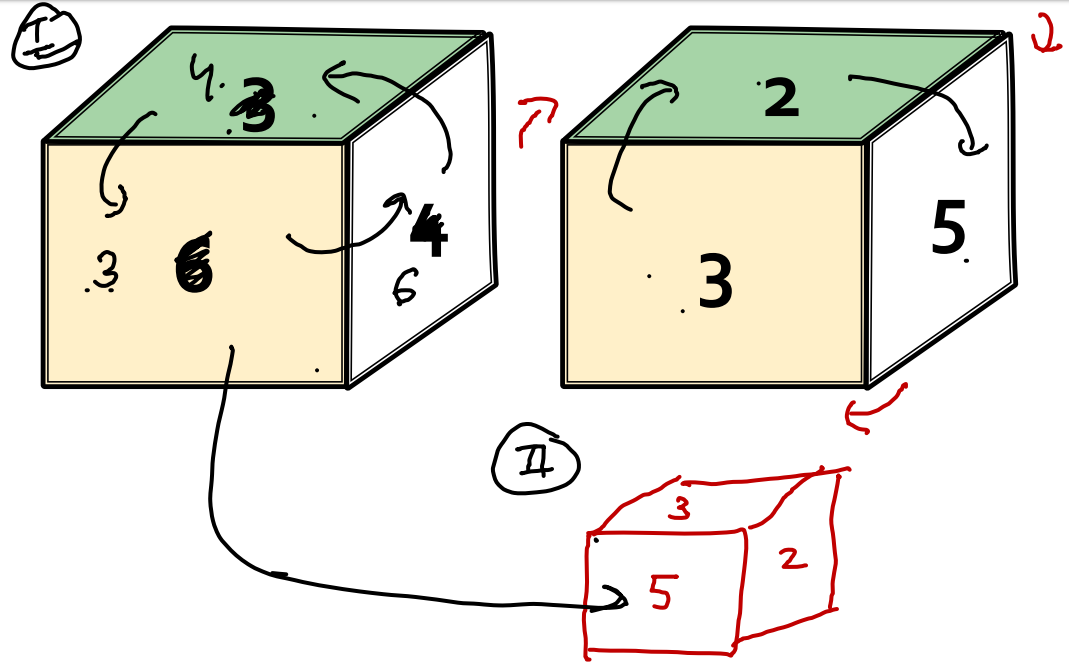


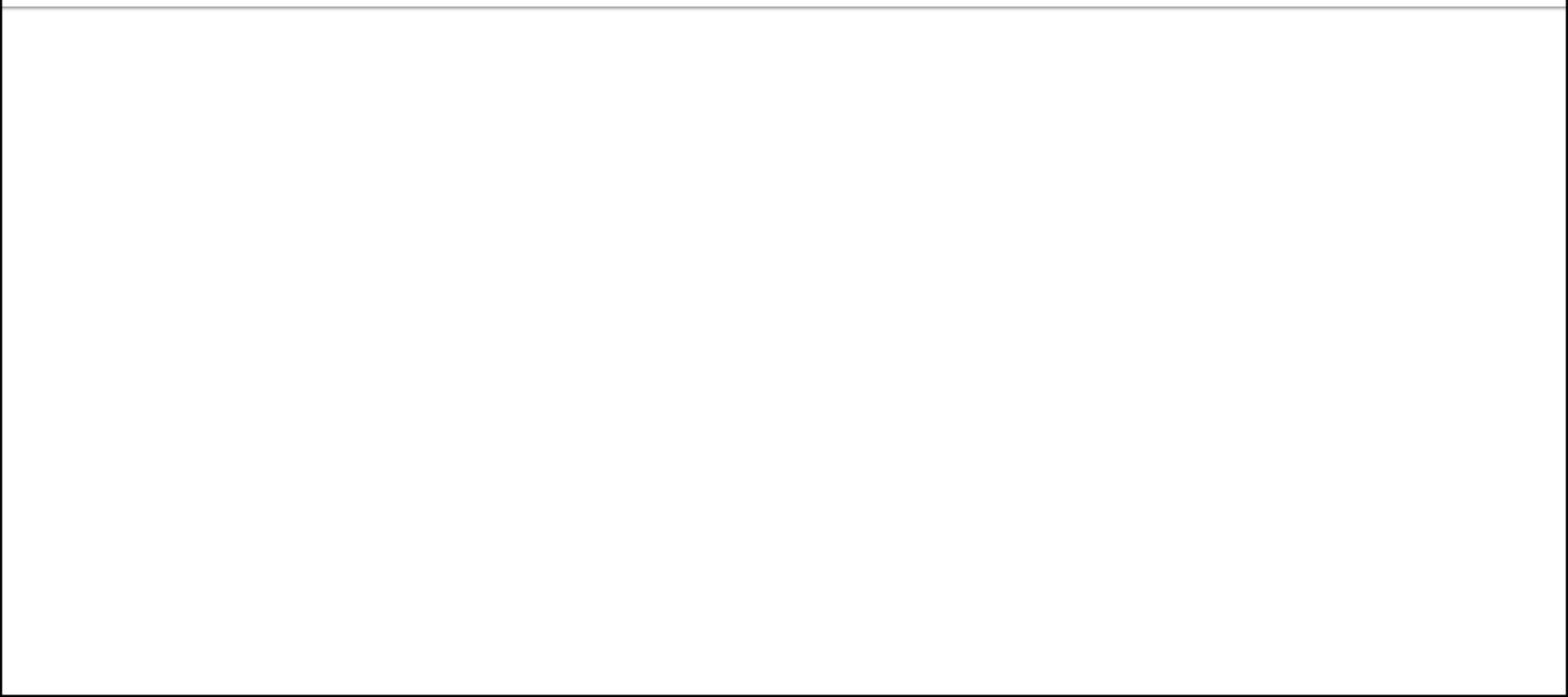
ONE COMMON CONCEPT (USING NO 1 TO 6)

ROTATION RULE

↓
Top.
↓
Ans
==
O D
==

6 = 5
4 = 2

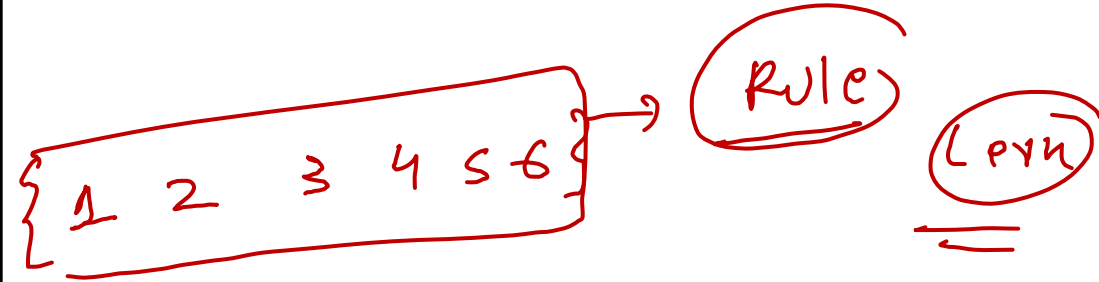
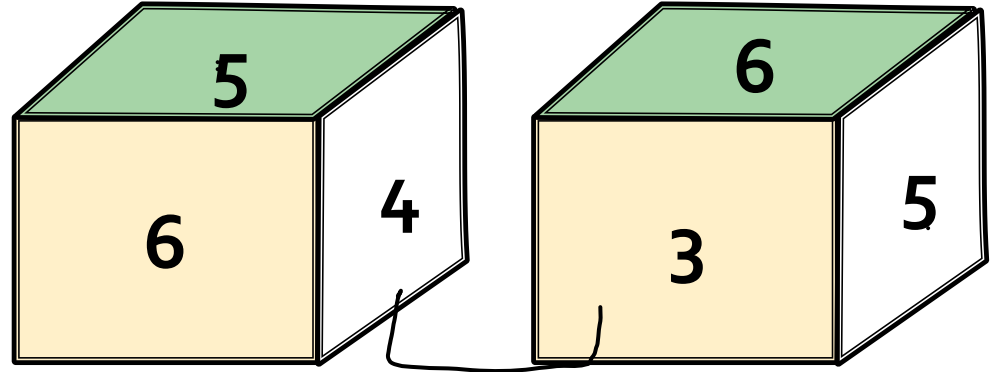




TWO COMMON CONCEPT (USING NO 1 TO 6)

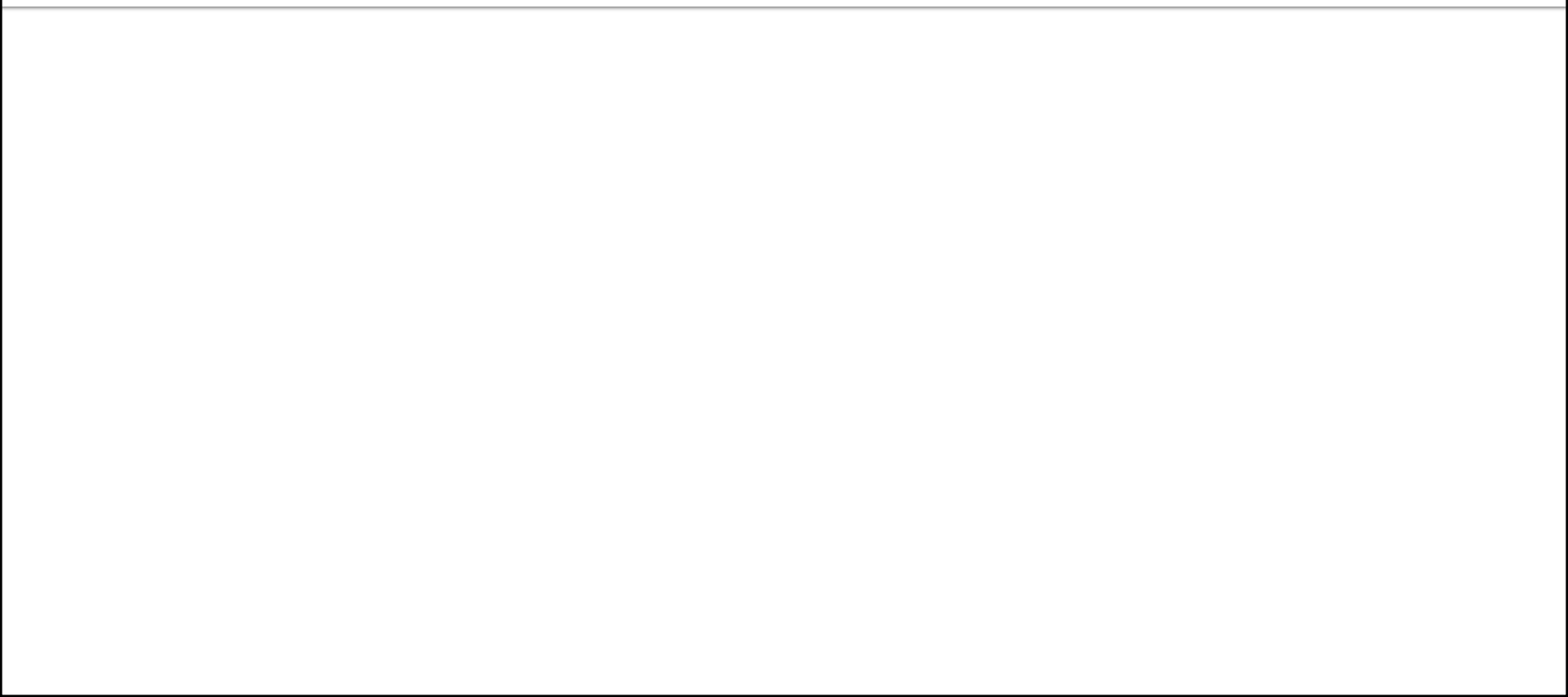
UNIVERSAL RULE -2

$$4 = 3$$



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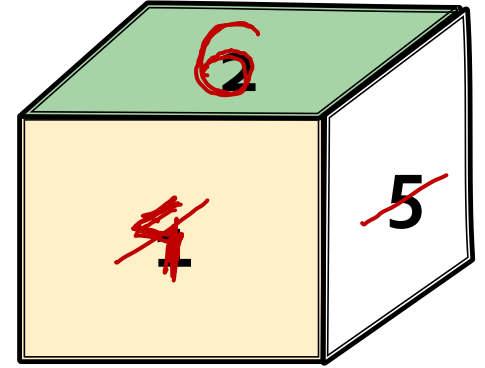
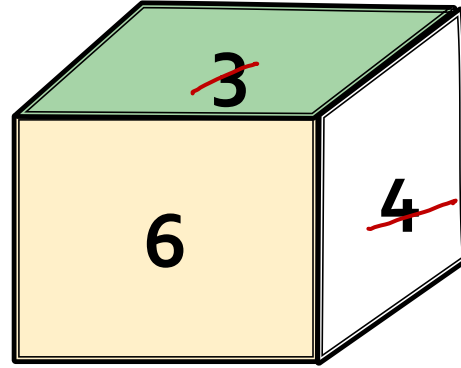


TWO COMMON CONCEPT (USING NO 1 TO 6)

GENERALIZE RULE -2

$(3=5) \rightarrow V-2$

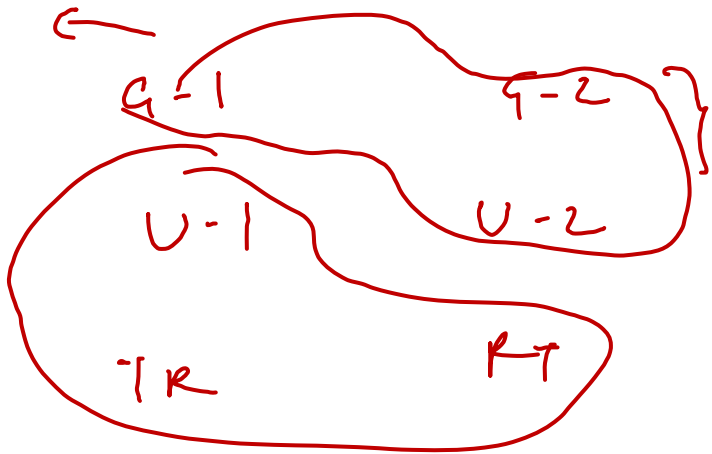
$6 \rightarrow \cancel{3} \times \cancel{4} \times \cancel{5} \quad 1/2$
 $4 \rightarrow \cancel{3} \times \cancel{6} \times \cancel{5} \quad 1/2$



$1=2$

6 Rule S.

No



→ Two

N



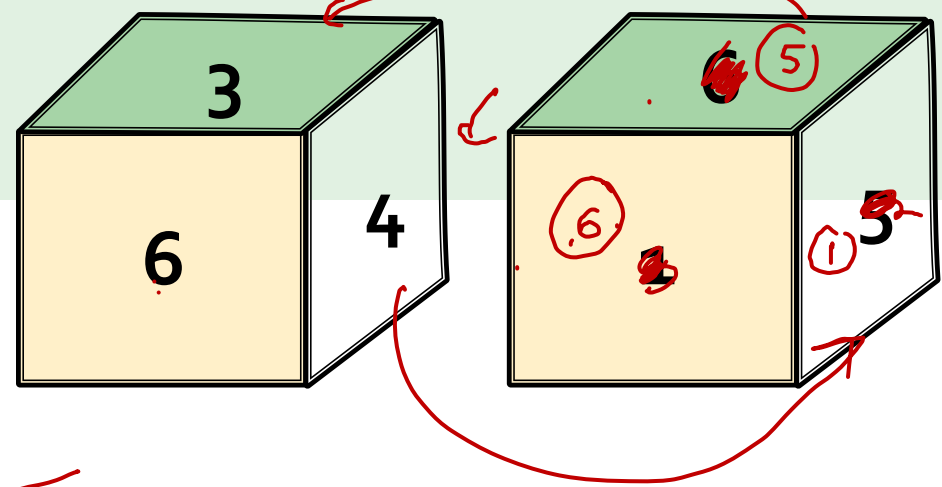
2

I common ←



Q.1: Two positions of dice are shown. What will appear on the opposite to the face containing 5? पासा की दो स्थितियां दिखाई गई है तो ज्ञात कीजिए की 5 के विपरीत सतह पर क्या होगा?

- (A) 3 ✓
- (B) 2 ✓
- (C) 1
- (D) 4 ✓



(reve)
 (common) → Rotation
 ↓
 (Top)

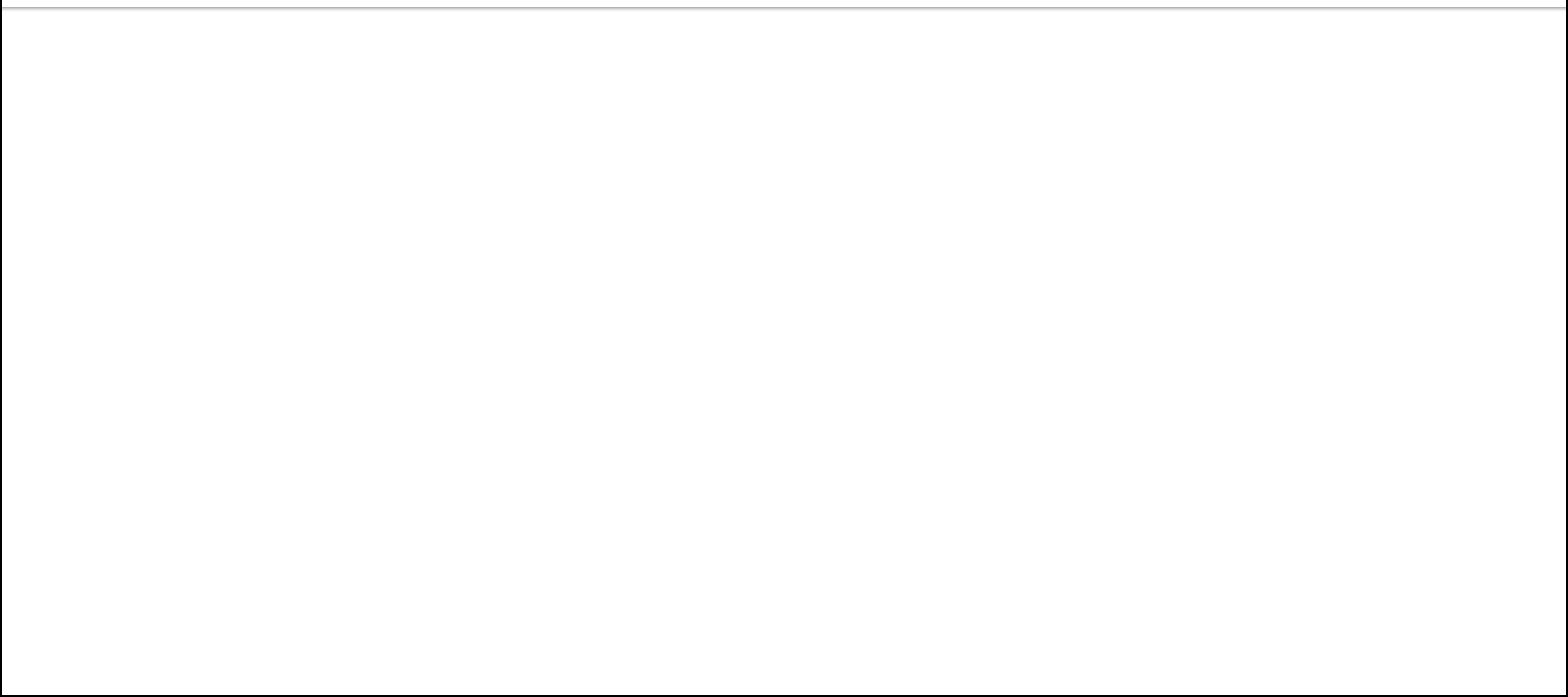
3 ✓
 ✗

5 = 3
 4 = 1

3 ✓

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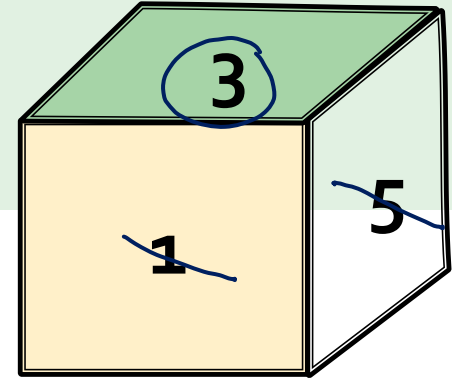
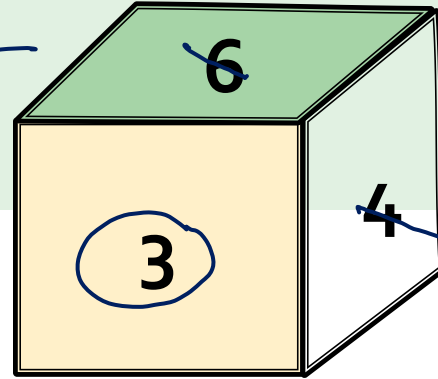
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Q.2: Two positions of dice are shown. What will appear on the opposite to the face containing 3? पासा की दो स्थितियां दिखाई गई है तो ज्ञात कीजिए की 3 के विपरीत सतह पर क्या होगा?

- ~~(A) 3~~
- ~~(C) 1~~

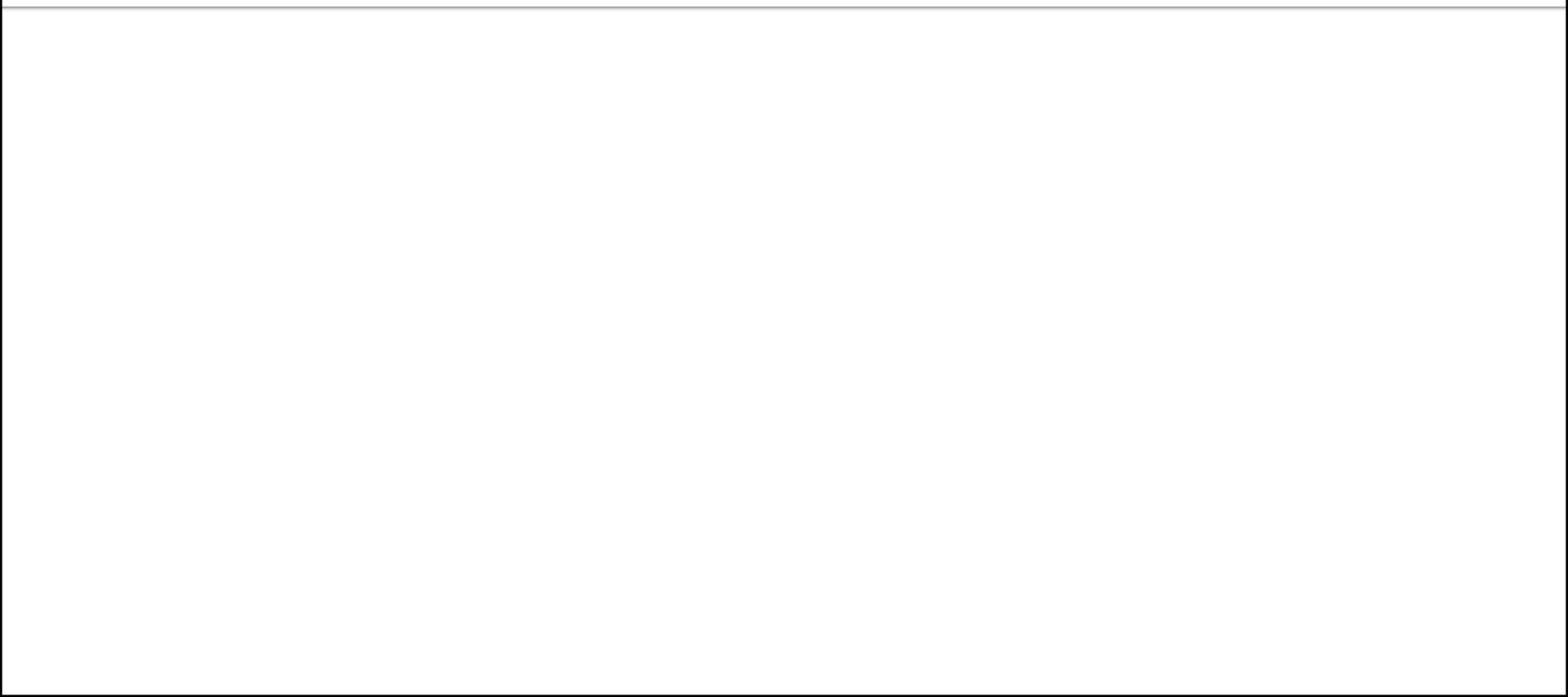
- (B) 2
- ~~(D) 4~~



2

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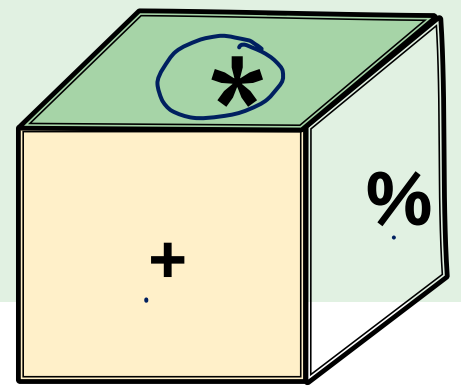
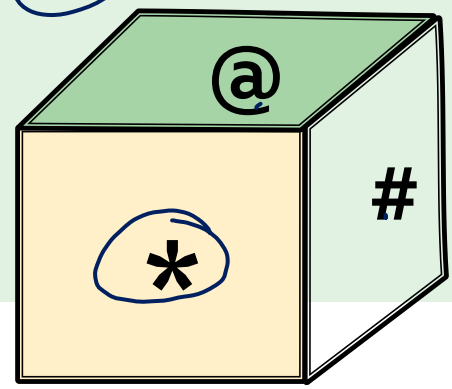
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Q.3: Two positions of dice are shown. What will appear on the opposite to the face containing * ? पासा की दो स्थितियां दिखाई गई है तो ज्ञात कीजिए की * के विपरीत सतह पर क्या होगा?

- (A) @
- (C) \$

- (B) %
- (D) CND



*
|||

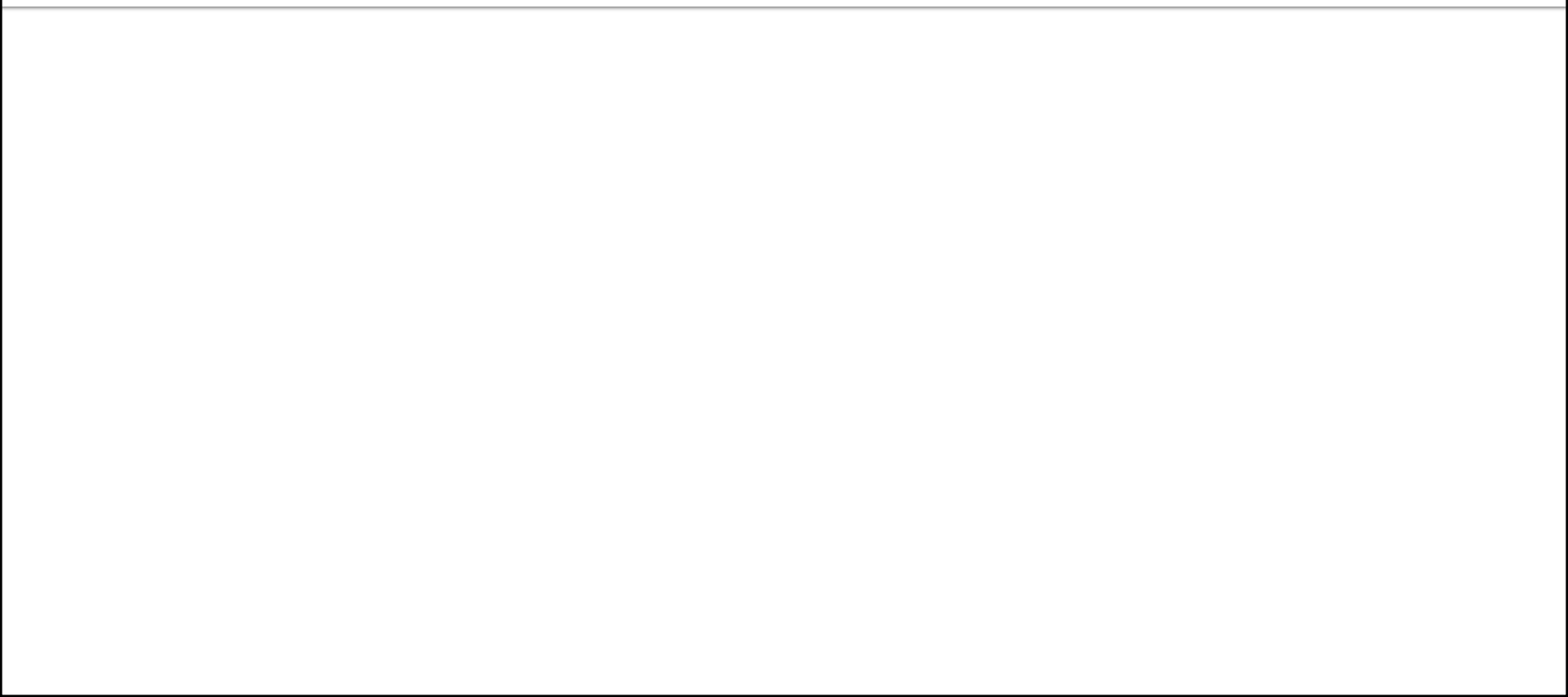
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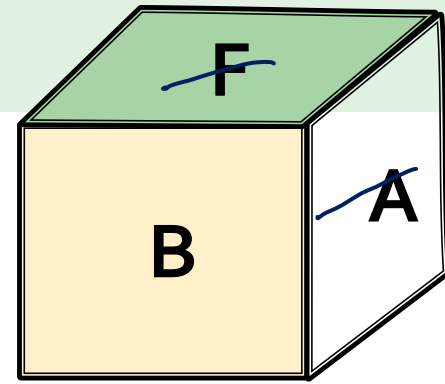
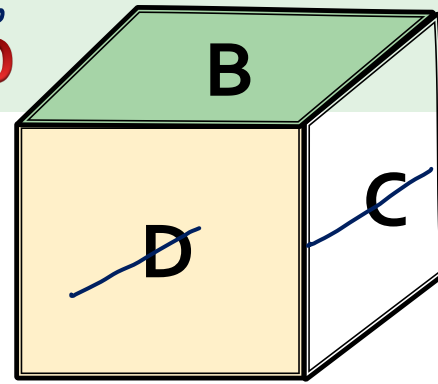
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Q.4: Two positions of dice are shown using A to F letters. What will appear on the opposite to the face containing B? पासा की दो स्थितियां A से F तक दिखाई गई हैं तो ज्ञात कीजिए की B के विपरीत सतह पर क्या होगा?

(A) F
(C) E

(B) C
(D) ~~CND~~



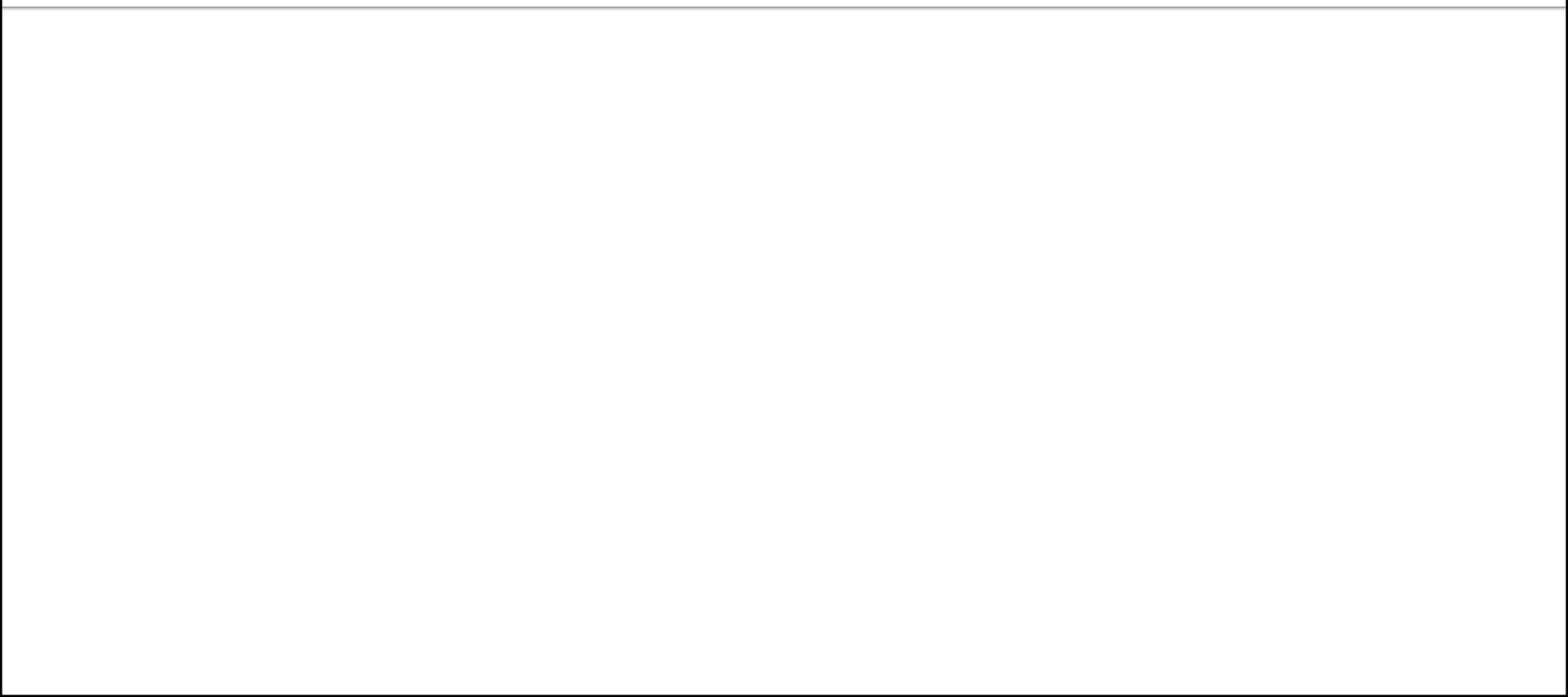
Handwritten notes on the left side of the page, including a list of letters A through F and several horizontal lines.

Handwritten letter 'E' circled in blue.

Handwritten double underline mark.

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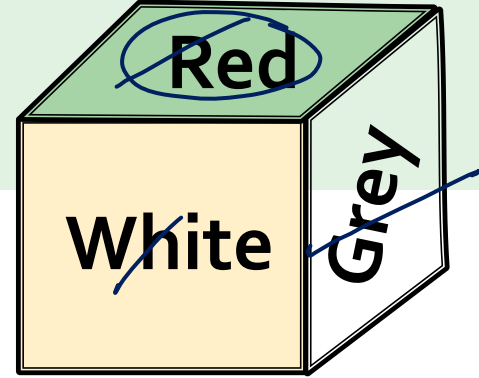
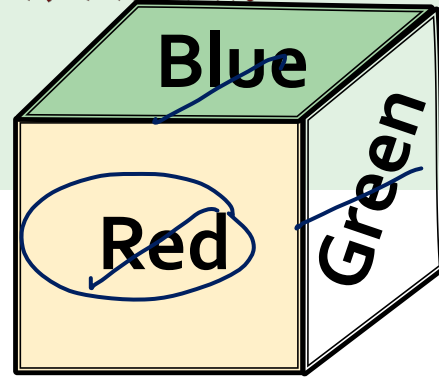
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Q.5: Two positions of dice are shown. What will appear on the opposite to the face containing Brown? पासा की दो स्थितियां दिखाई गई हैं तो ज्ञात कीजिए की 'BROWN' के विपरीत सतह पर क्या होगा?

- (A) Blue
- (C) Red

- (B) White
- (D) Green

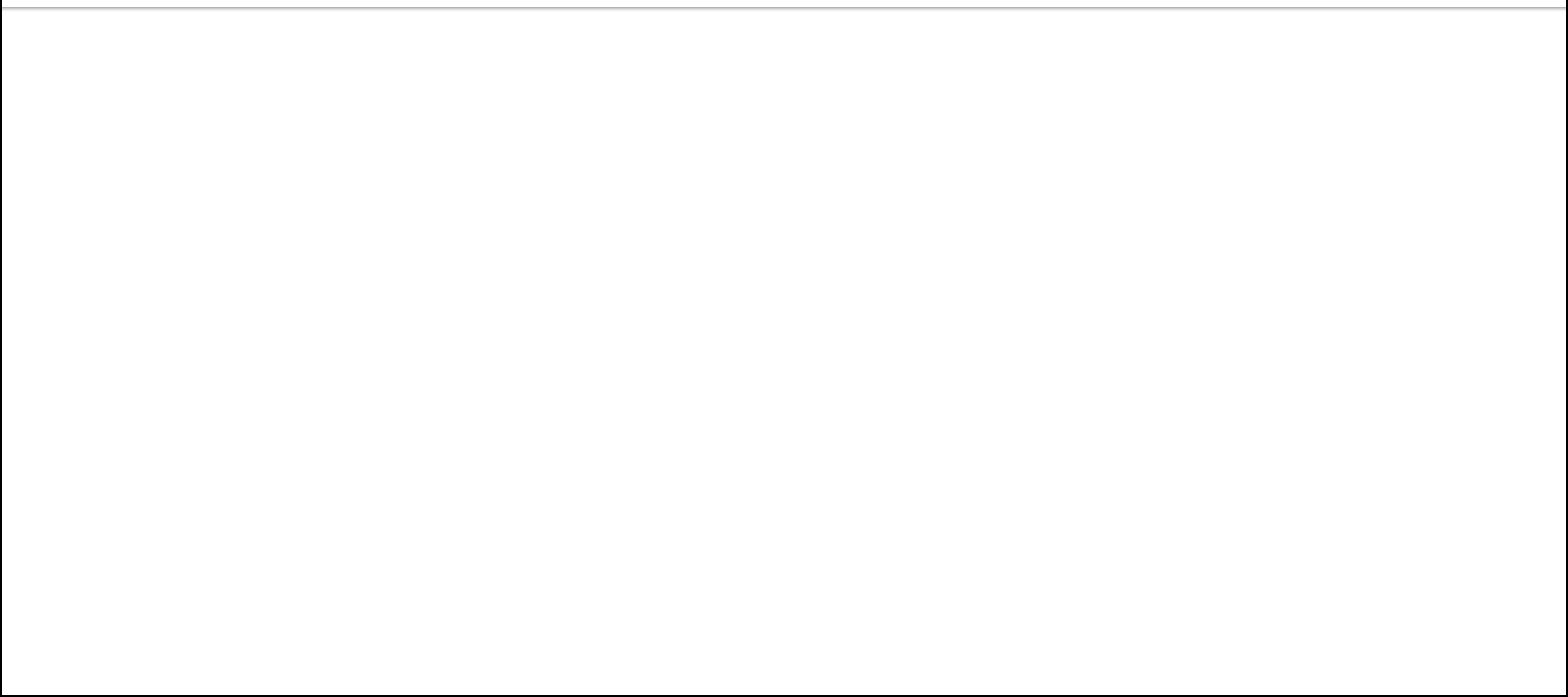


Brown

Red \Rightarrow Brown

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Q.6: Two positions of dice are shown. What will appear on the opposite to the face containing 4? पासा की दो स्थितियां दिखाई गई हैं तो ज्ञात

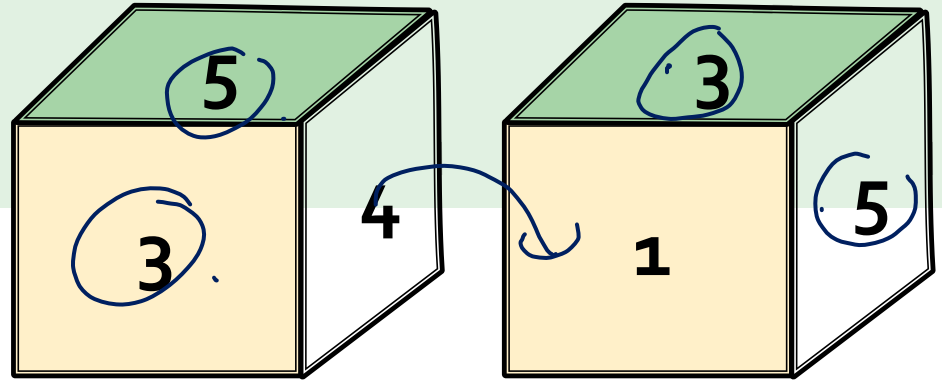
कीजिए की 4 के विपरीत सतह पर क्या होगा?

(A) 3

(B) 2

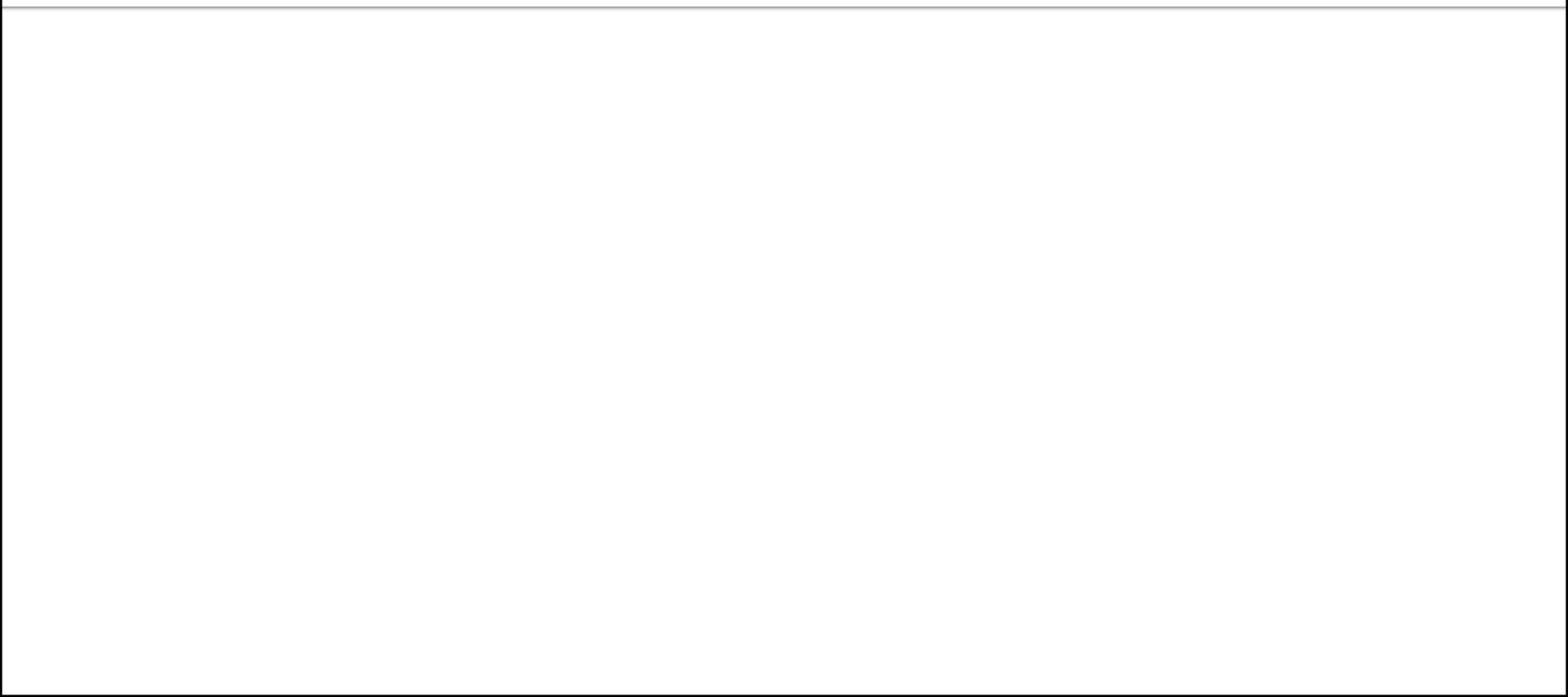
(C) 1

(D) 5



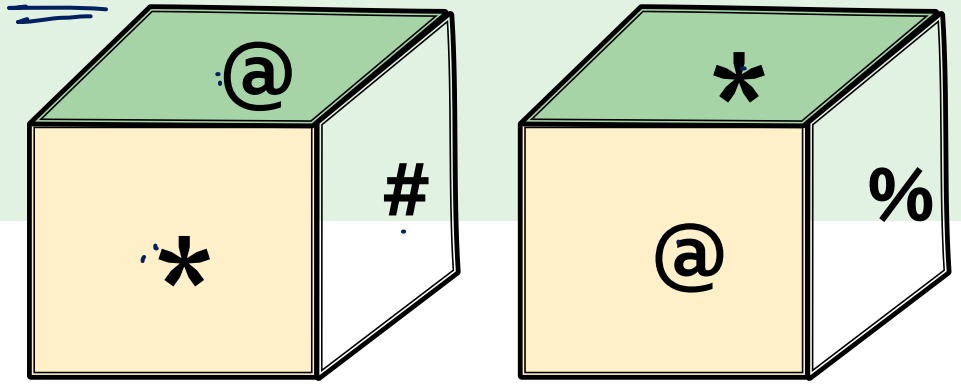
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Q.7: Two positions of dice are shown. What will appear on the opposite to the face containing *? पासा की दो स्थितियां दिखाई गई हैं तो ज्ञात कीजिए कि * के विपरीत सतह पर क्या होगा?

- (A) @ (B) %
(C) \$ (D) CND



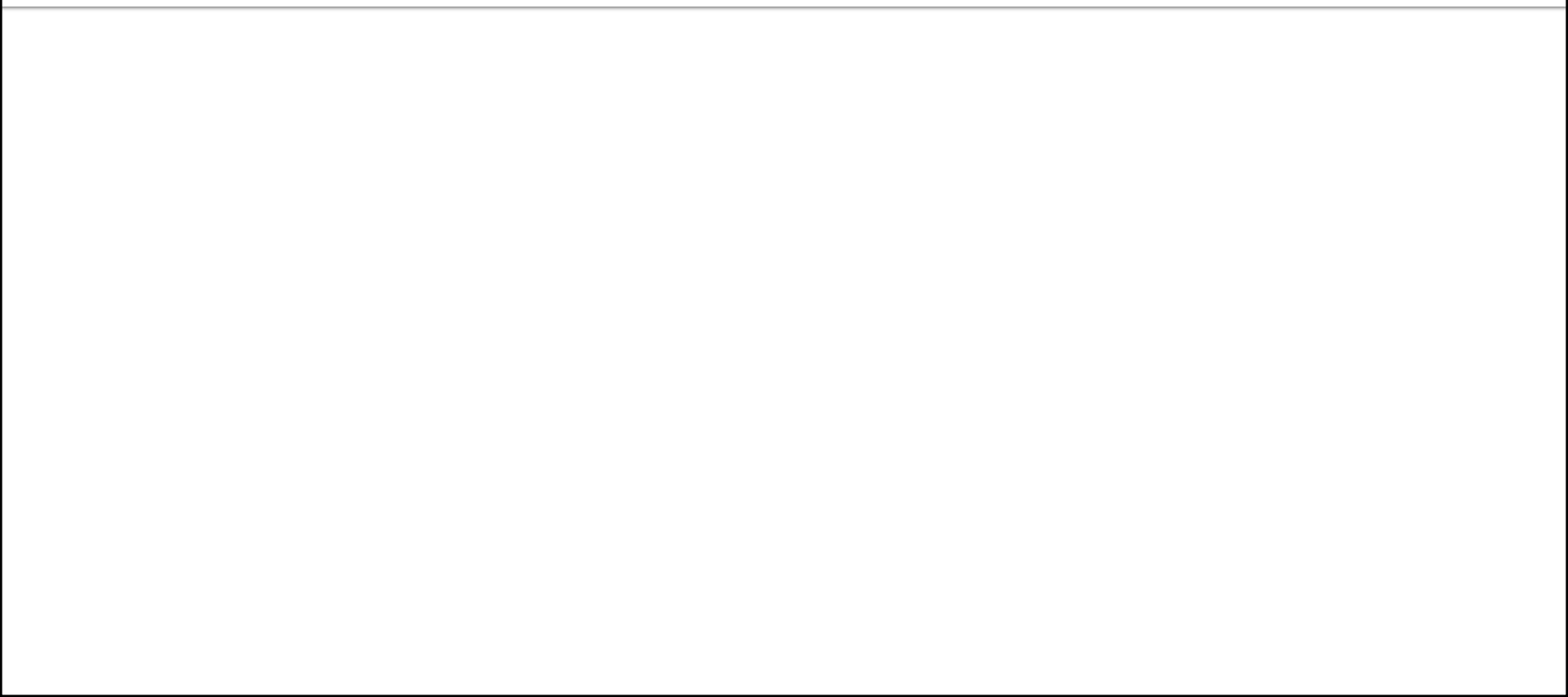
→ %

2

CND

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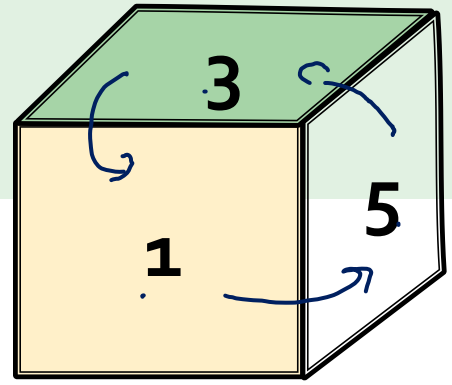
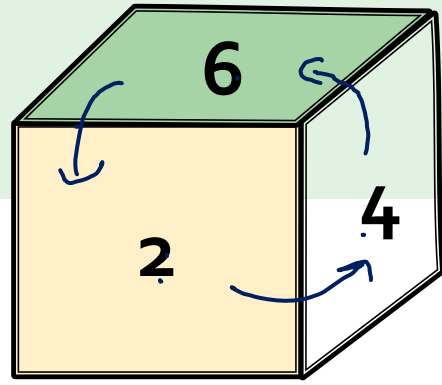
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Q.8: Two positions of dice are shown. What will appear on the opposite to the face containing 6? पासा की दो स्थितियां दिखाई गई हैं तो ज्ञात कीजिए की 6 के विपरीत सतह पर क्या होगा?

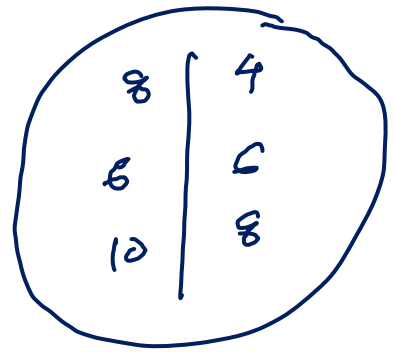
(A) 3
~~(C) 1~~

(B) 5
 (D) 2



No (Comment)

6 → 1/3/5



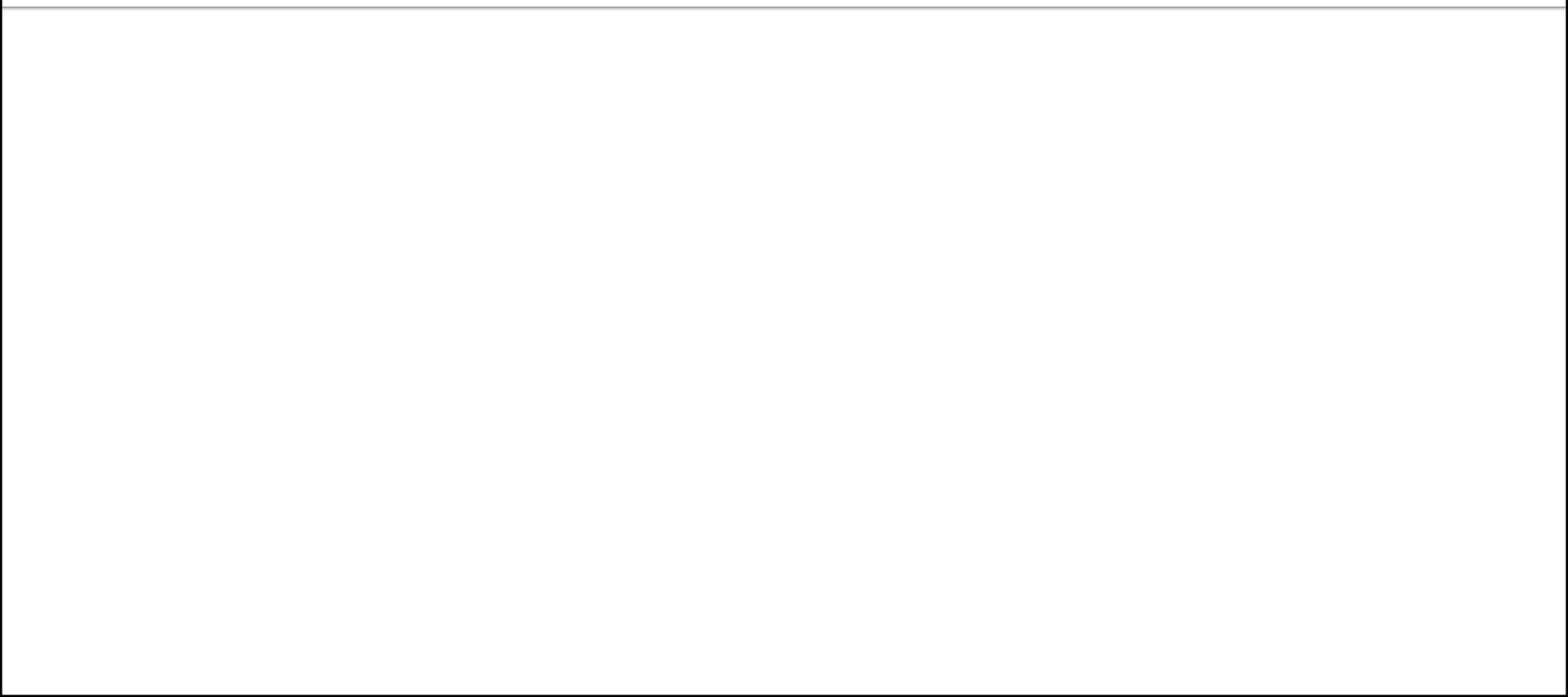
Standu

(Comment)

= 7

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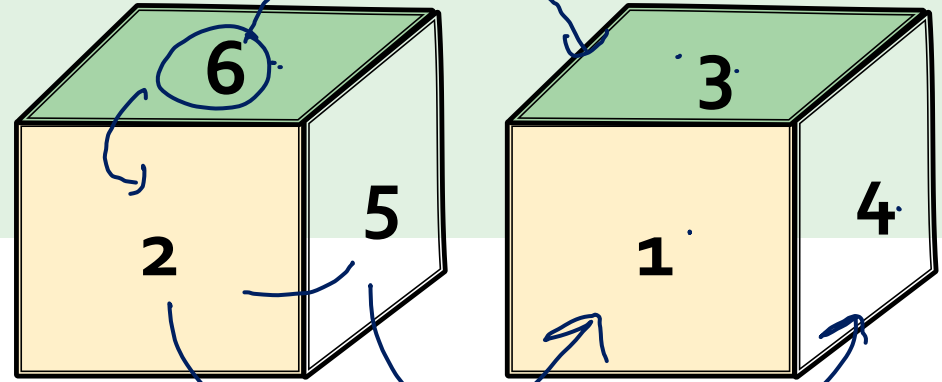
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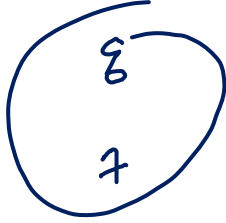
Q.9: Two positions of dice are shown. What will appear on the opposite to the face containing 6? पासा की दो स्थितियां दिखाई गई है तो ज्ञात कीजिए की 6 के विपरीत सतह पर क्या होगा?

(A) 3
(C) 1

(B) 5
(D) 2



No Com Inch

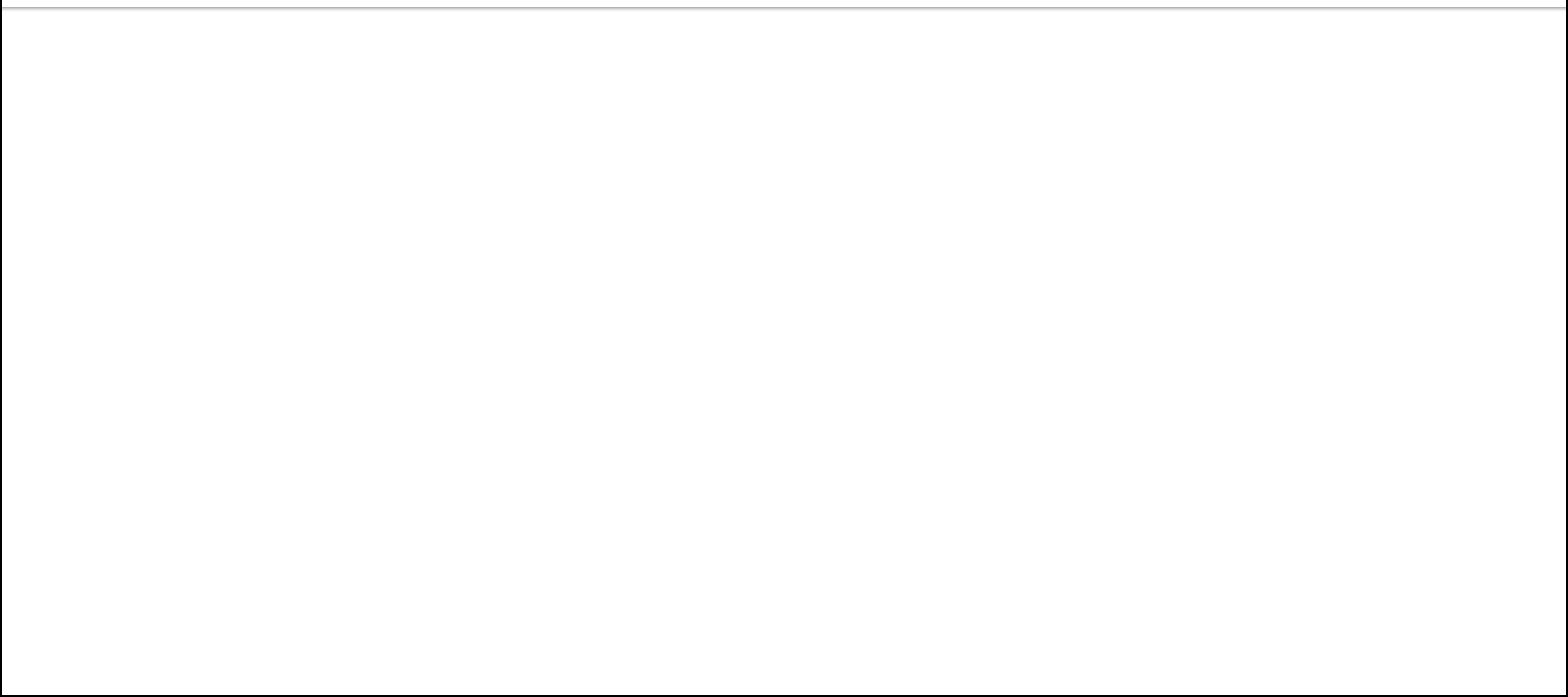


Standard dice

Solution

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Q.10: Three positions of dice are shown. What will appear on the opposite to the face containing 2? पासा की तीन स्थितियां दिखाई गई है तो ज्ञात कीजिए की 2 के विपरीत सतह पर क्या होगा?

- (A) 3 ~~(B) 5~~
 (C) 1 (D) 6

⇒
 3 push
 2 solve
10 →

