ETHIOPIA INSTITUTE TECHNOLOGY-MEKELLE(EIT-M)

ARCHITECTURE AND URBAN PLANNING ENGINEERING Entrance Exam(preparation) proposal

PREPARED BY

Dawit Assfaw
Enyew Wubshet

2005 E.C

Contents included in exam

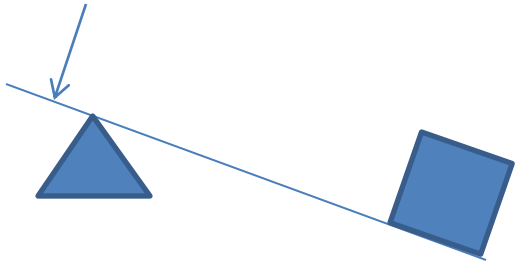
1. Architectural IQ Question
    1.1 Observation
    1.2 Undersanding
    1.3 Contextual meaning
    1.4 Relationship
2. Sketch
    2.1 Fill omitted picture
    2.2 Draw observed object
    2.3 Draw memorized picture

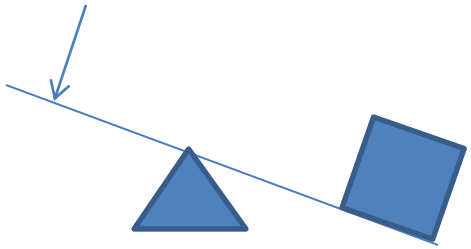
Discuss in brief this main topic

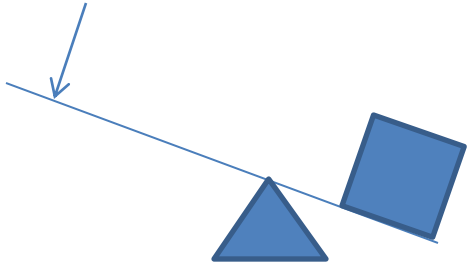
Students become successful in the exam,so fulfill the dream.

Q. What are the three primary colors?

.In the picture above the arrow represents the force exerted by the firefighter on the lever. In an attempt to move the large block which gives the most mechanical advantage to the firefighter trying to move the load?





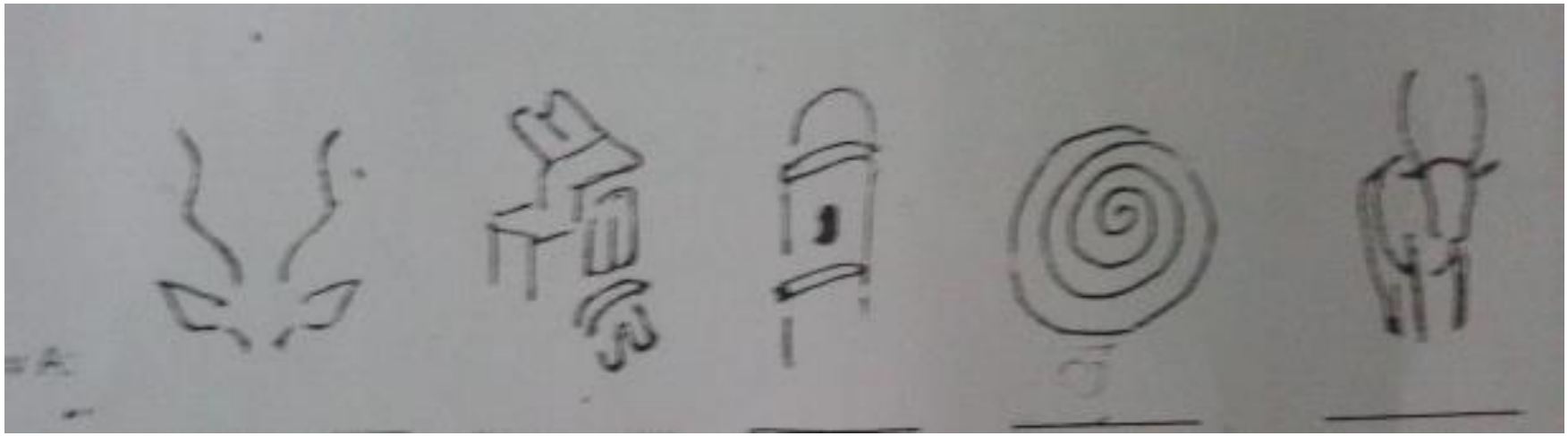


.Imagine your family has acquired a new plot of land 15m*20m for a resident adjacent to an existing bar & restaurant with a night club. List three possible measures an architect of your new house would take to over come the noise from the adjacent night club during the night.

A.

B.

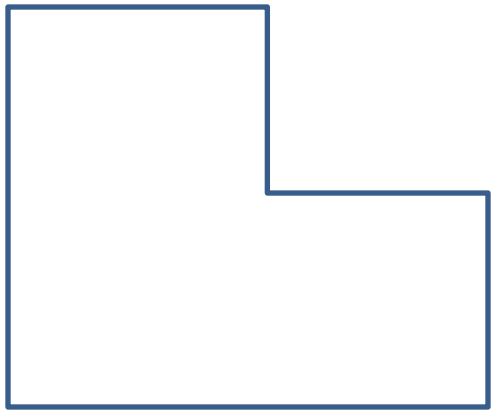
Match one item on row A with a related item on row B.

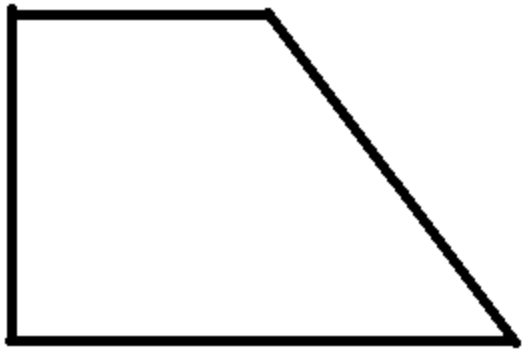


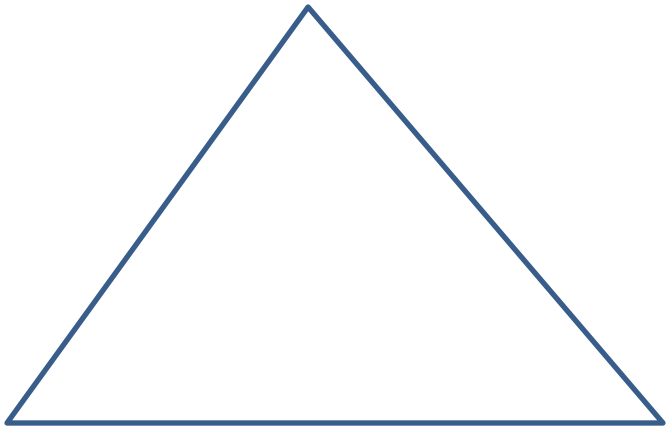
𐤀 𐤁 𐤂 𐤃 𐤄 𐤅 𐤆 𐤇 𐤈 𐤉 𐤊 𐤋 𐤌 𐤍 𐤎 𐤏 𐤐

.Create four identical element in the figure below with the same shape of the master figure.







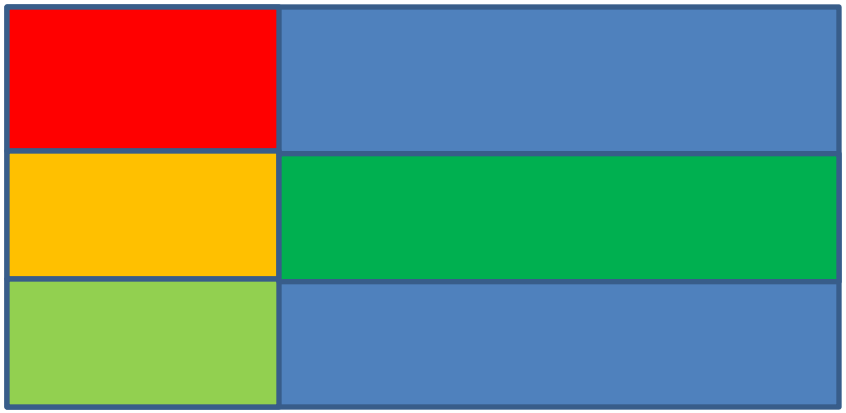


.Assume you are standing inside a bottle of coca-cola and you eye level is at the English
logo on the bottle. Sketch your view of the English logo?

Coca-cola

ಸಿಂಧು-ಸಾಂಬಾರ

- HOW MANY RECTANGLES ARE THERE ?



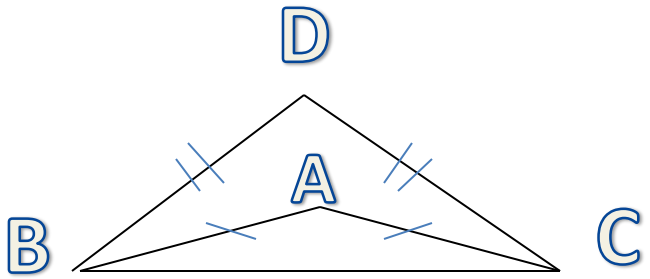
Choose the correct

AB = AC , DB = DC

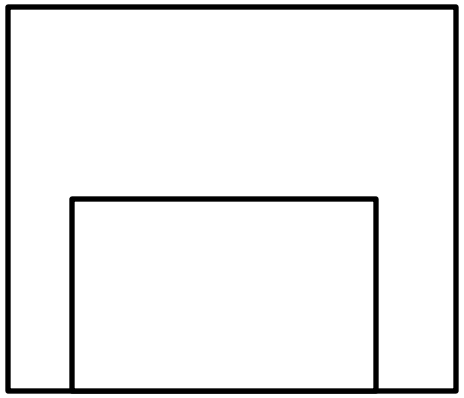
<ABC = ½ <DBC

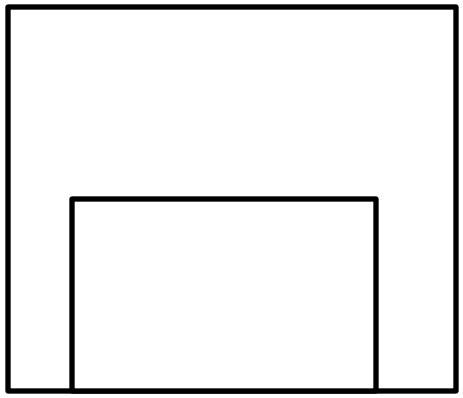
<BDC = 70

<BAC = ?



The two drawing below are two orthographic views of the three dimensional object with out any curved surface. The drawing at left is the front view and the drawing at the right is the top view. Work out shape of object.





Q. What color do you think should be mixed to produce GREEN?

A. RED and YELLOW

B. BLUE and YELLOW

C. YELLOW, RED and BLUE

D. BLUE and RED

ANS.

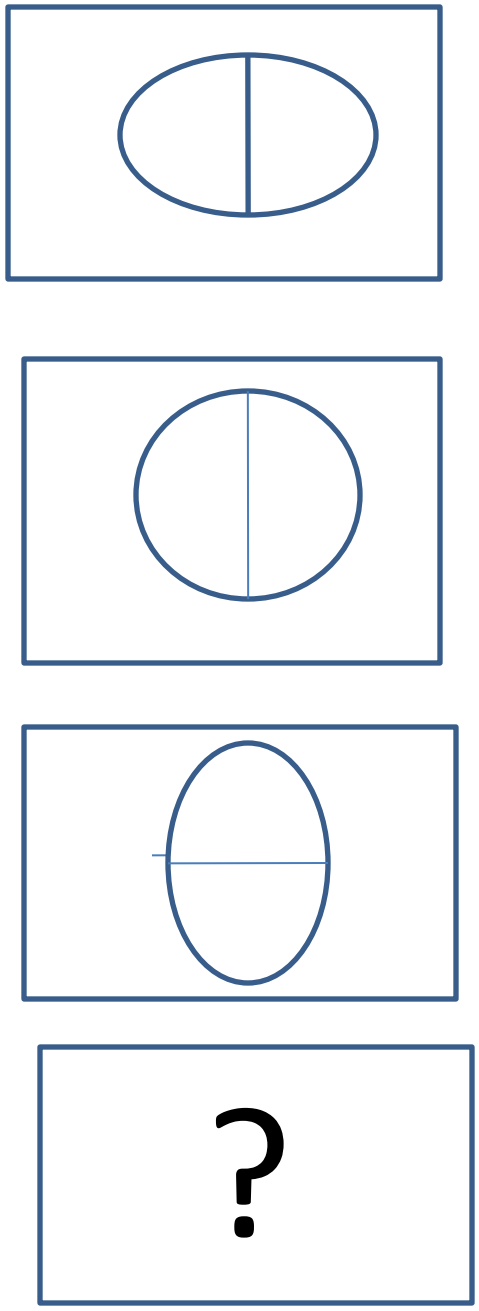
A. ORANGE COLOR

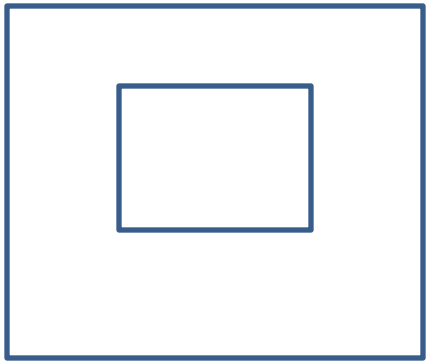
B. GREEN

C. GRAY

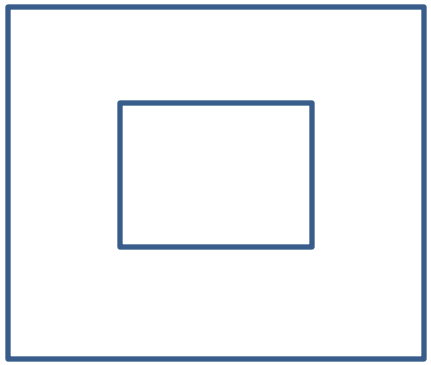
D. PURPLE

Continue the figure





TOP

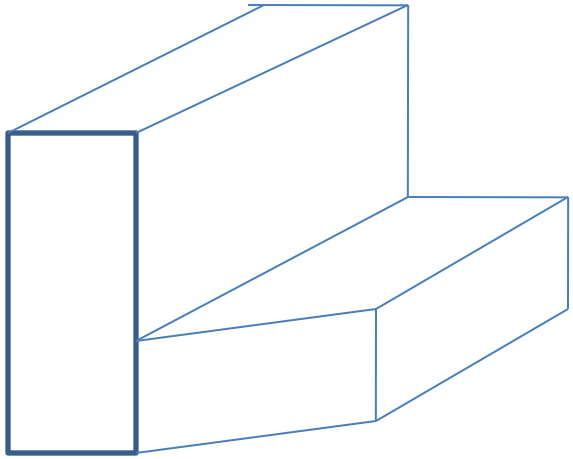


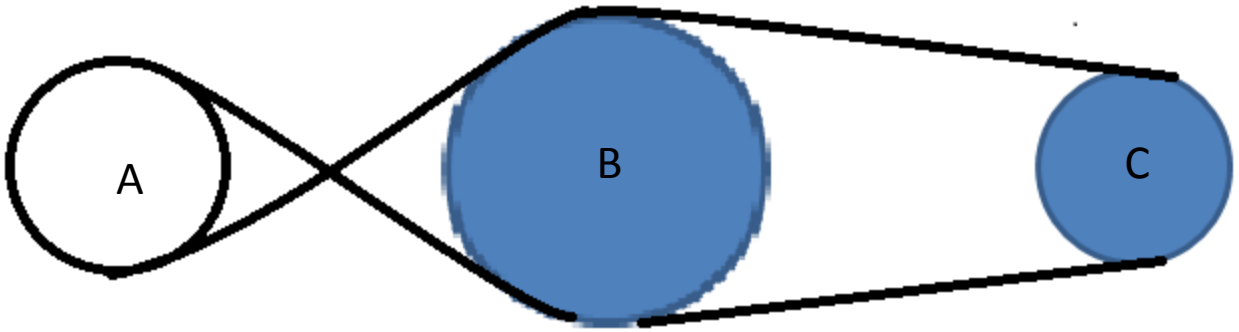
FRONT

?

SIDE

Sketch the development

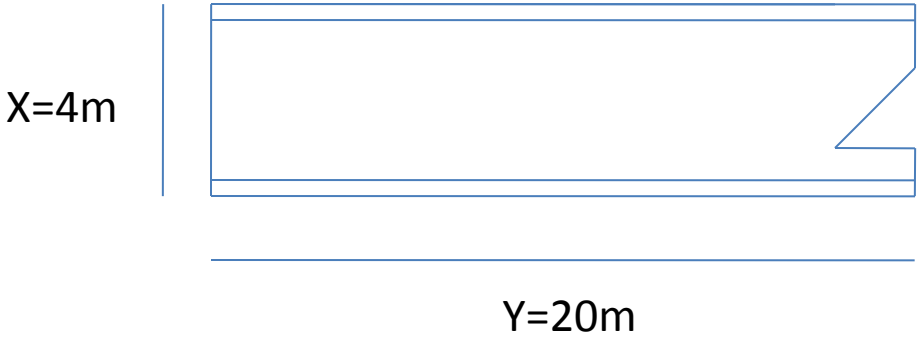




If pulley A is turning at 200 rpm and pulley C is the same size as pulley A. how fast pulley C turning?

A.125 rpm B.250rpm C.200rpm D.500rpm

Consider a room of the proportion given below.



The oblong nature of the room could be psychologically improved with out altering the dimensions of the room by using appropriate colors which would have the effect of visually pulling forwards walls X and pushing apart walls Y.
From the colors given below choose and indicate on the drawing the appropriate color for each wall to be used as a paint in order to produce to the above effect.

A. Light yellow

B. Deep red

C. Deep orange

Q If a doctor gives you 3pills and tells you to take one pill every half hour, how long would it be before all the pills had been taken?

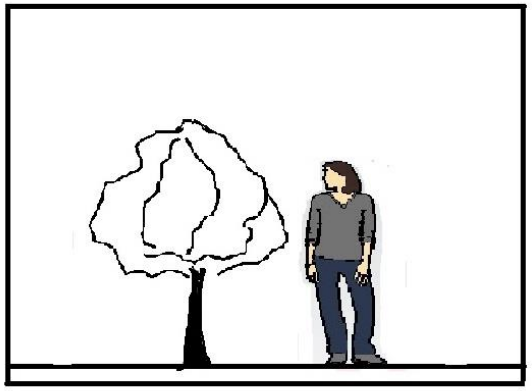
Q.Divide 30 by half and add 10.What do you get?



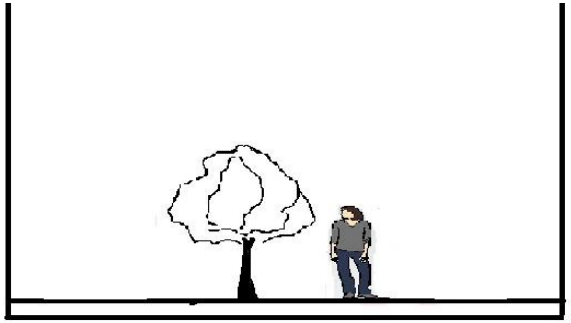
Q.Take 2 apples from 3 apples. What do you have?

Arrange the tree from the smallest to the biggest?

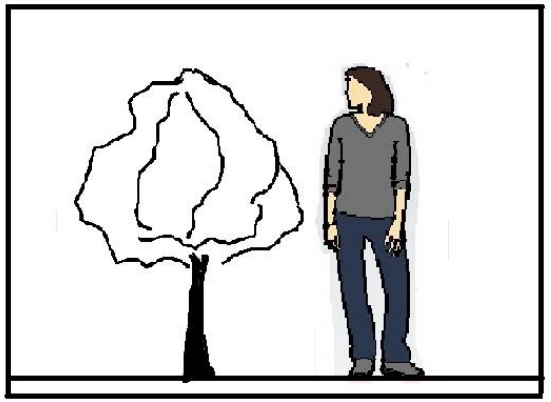
A.



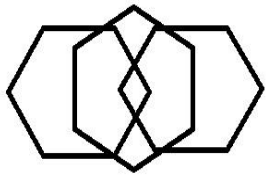
B.

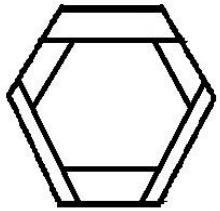


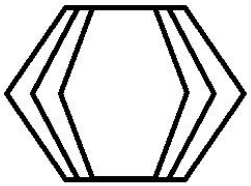
C.

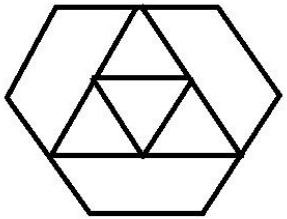


Which one of the ff shapes cannot be formed by combining 3 equal sized hexagons?

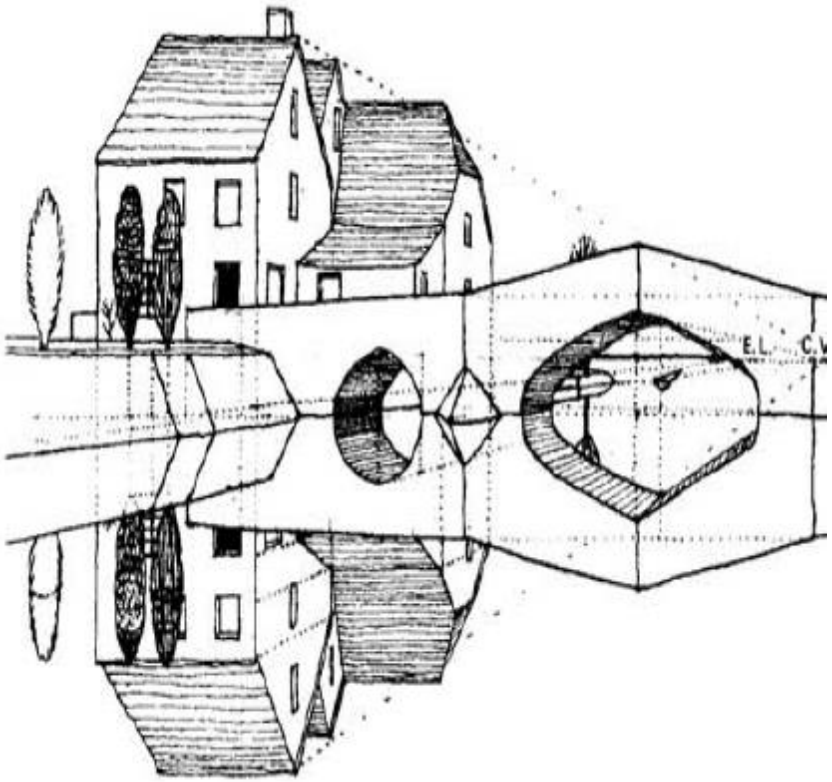




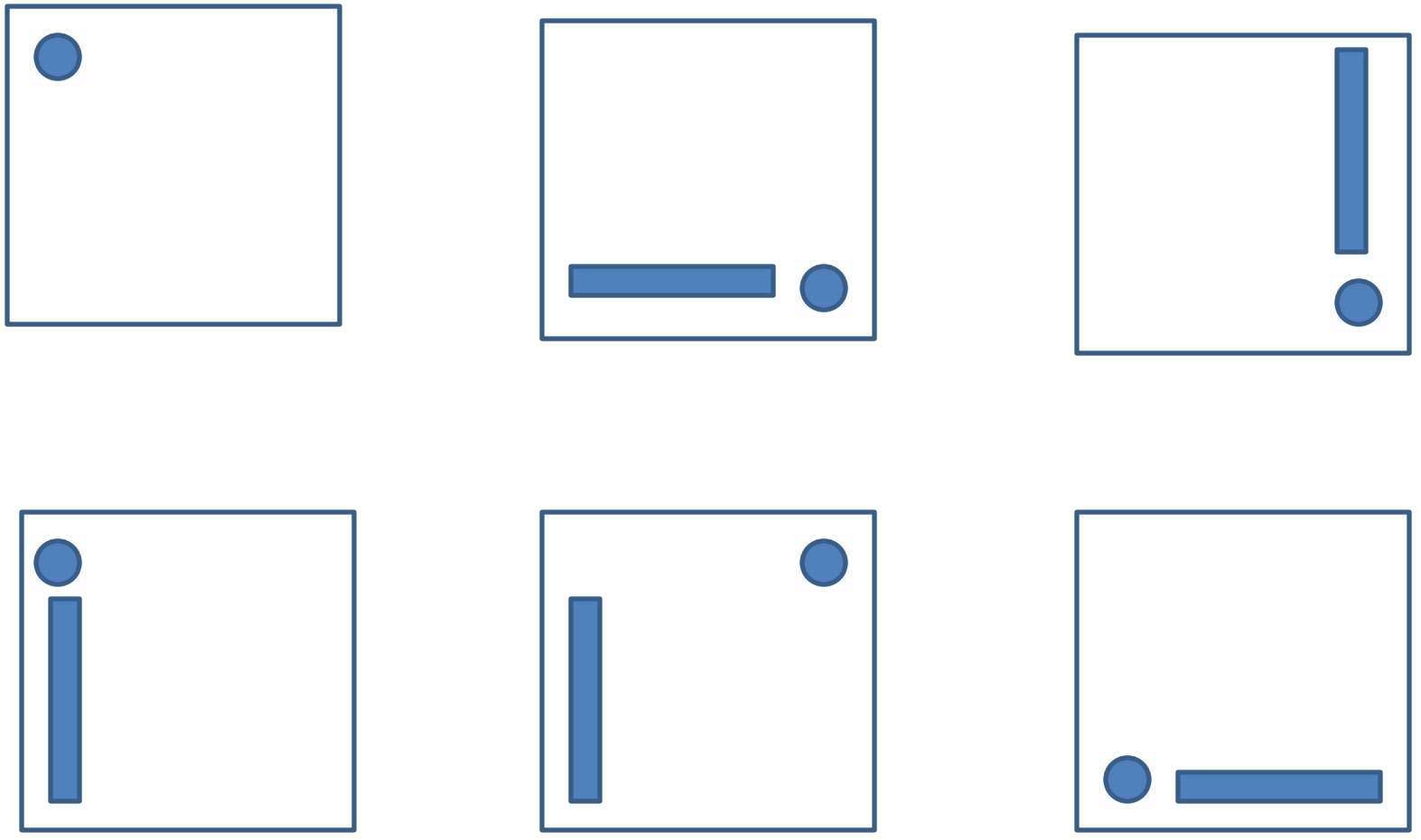




Draw mirror image in water reflection?



Memory Sketching



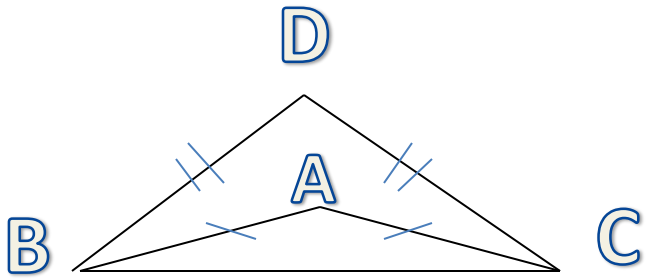
Choose the correct

AB = AC , DB = DC

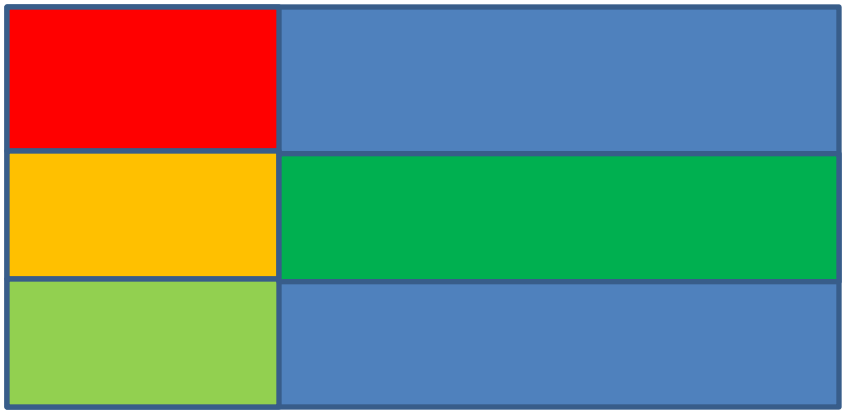
<ABC = ½ <DBC

<BDC = 70

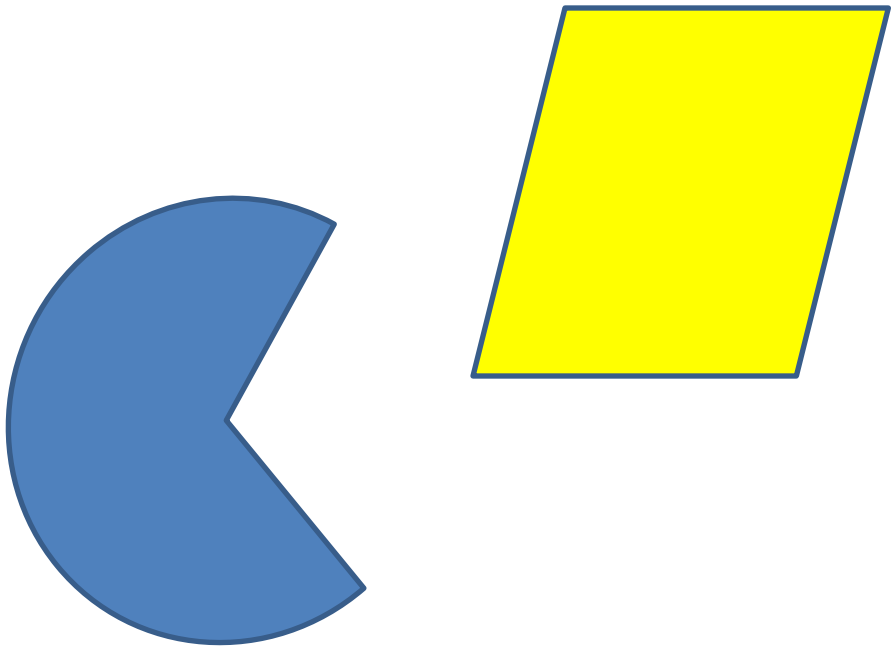
<BAC = ?



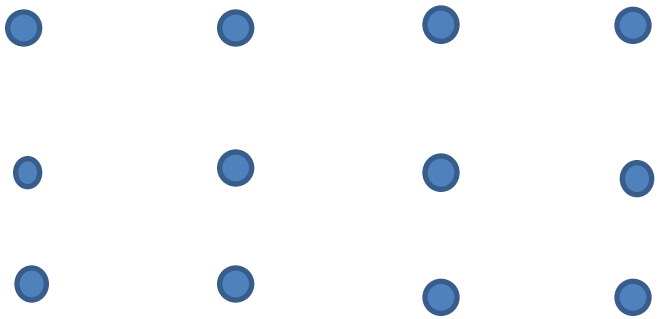
- HOW MANY RECTANGLES ARE THERE ?



What is the result when we MIX blue with yellow ?

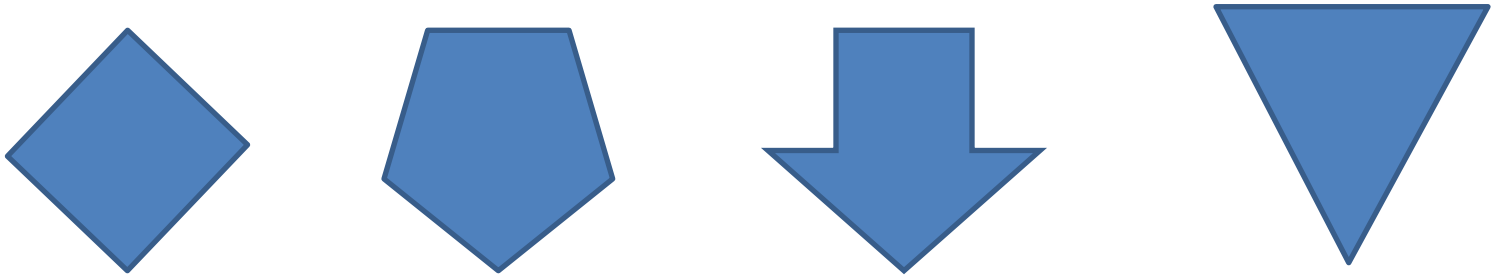


- Connect each points using 5 straight lines pass through each point once.

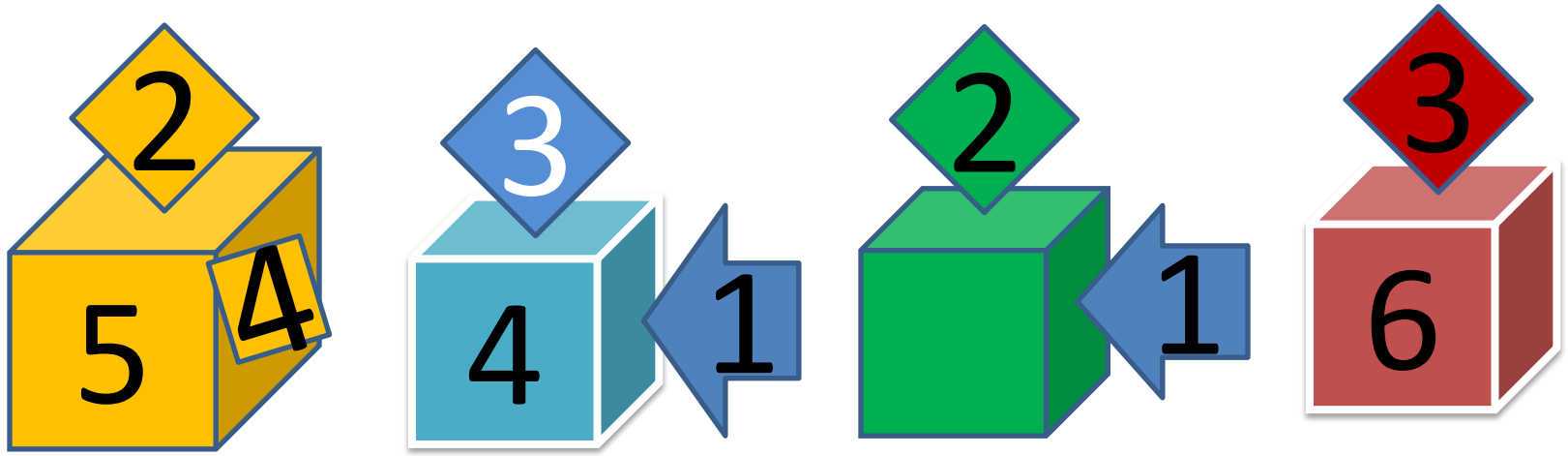




- What is the common on in the following shapes ?



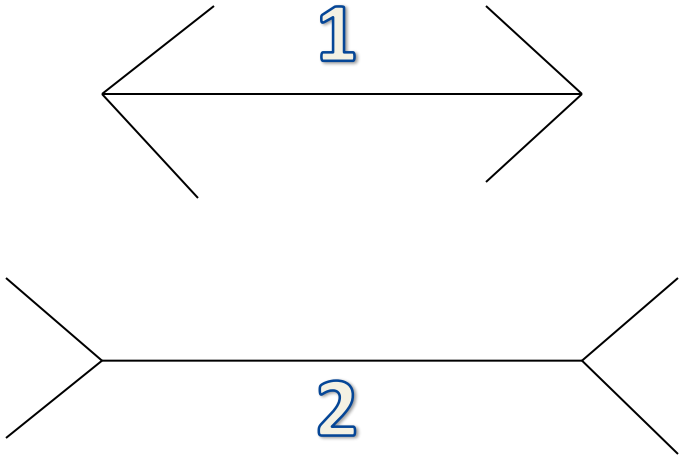
- Different views of the cube in each case, complete the blank sides with the missing figures?



- Divide the given L – shaped figure in to 4 equal size L – shape configuration.

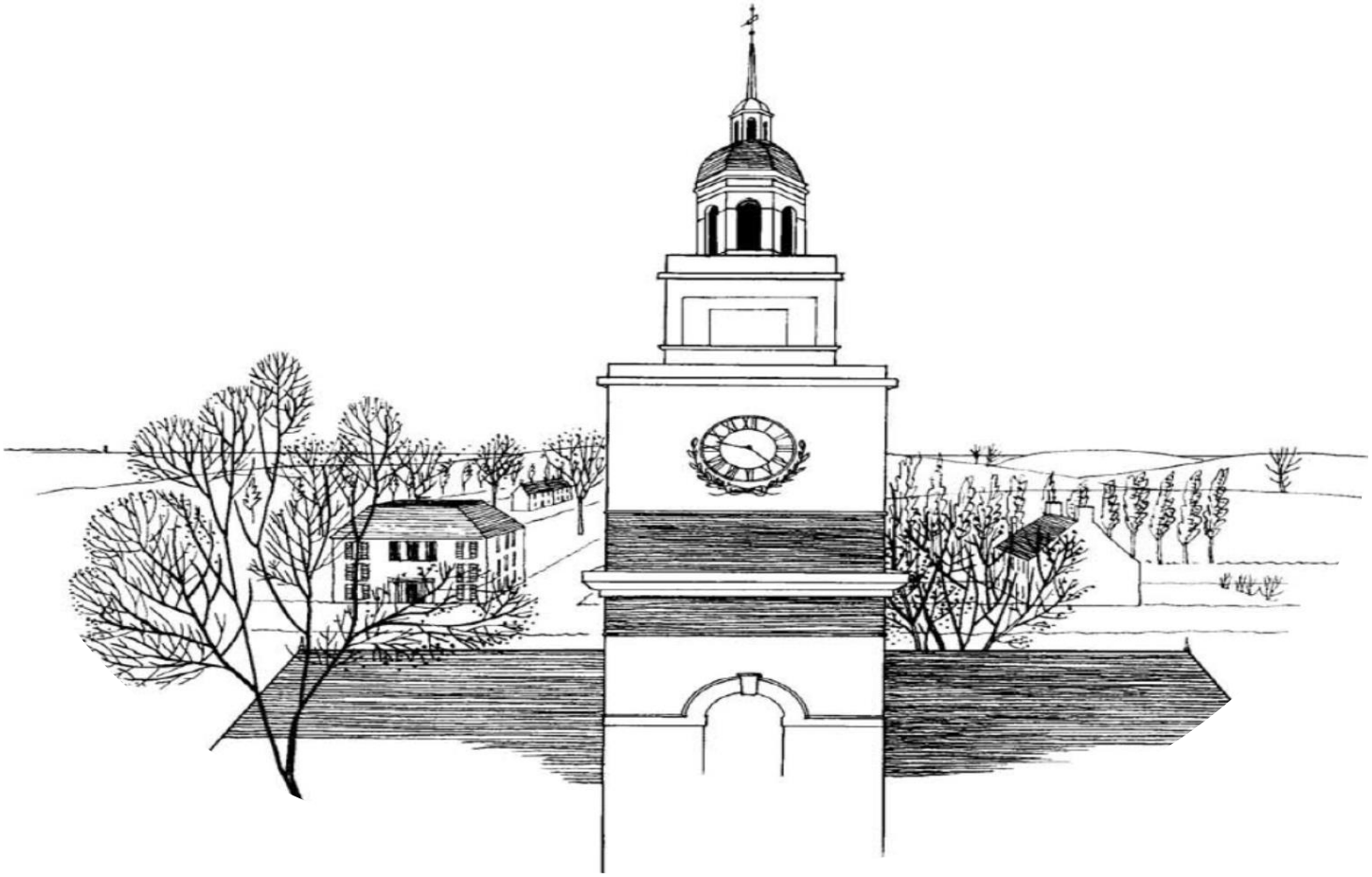


- Which line is longer?

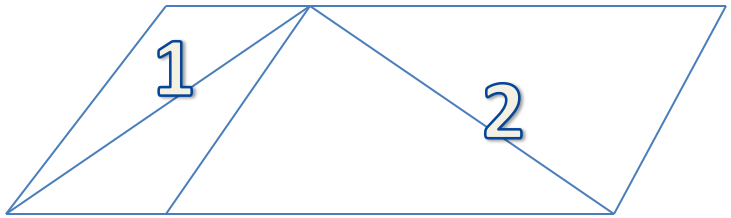


A.1 B.2 C. There are equal D. None

FILL OMITTED PICTURE



- Consider line 1 and 2 and determined which of the lines is longer ?



A.1 B.2 C. equal D. none

ARCHITECTURE

ARCHITECTURE

US Capitol(USA)



CN Tower(canada)



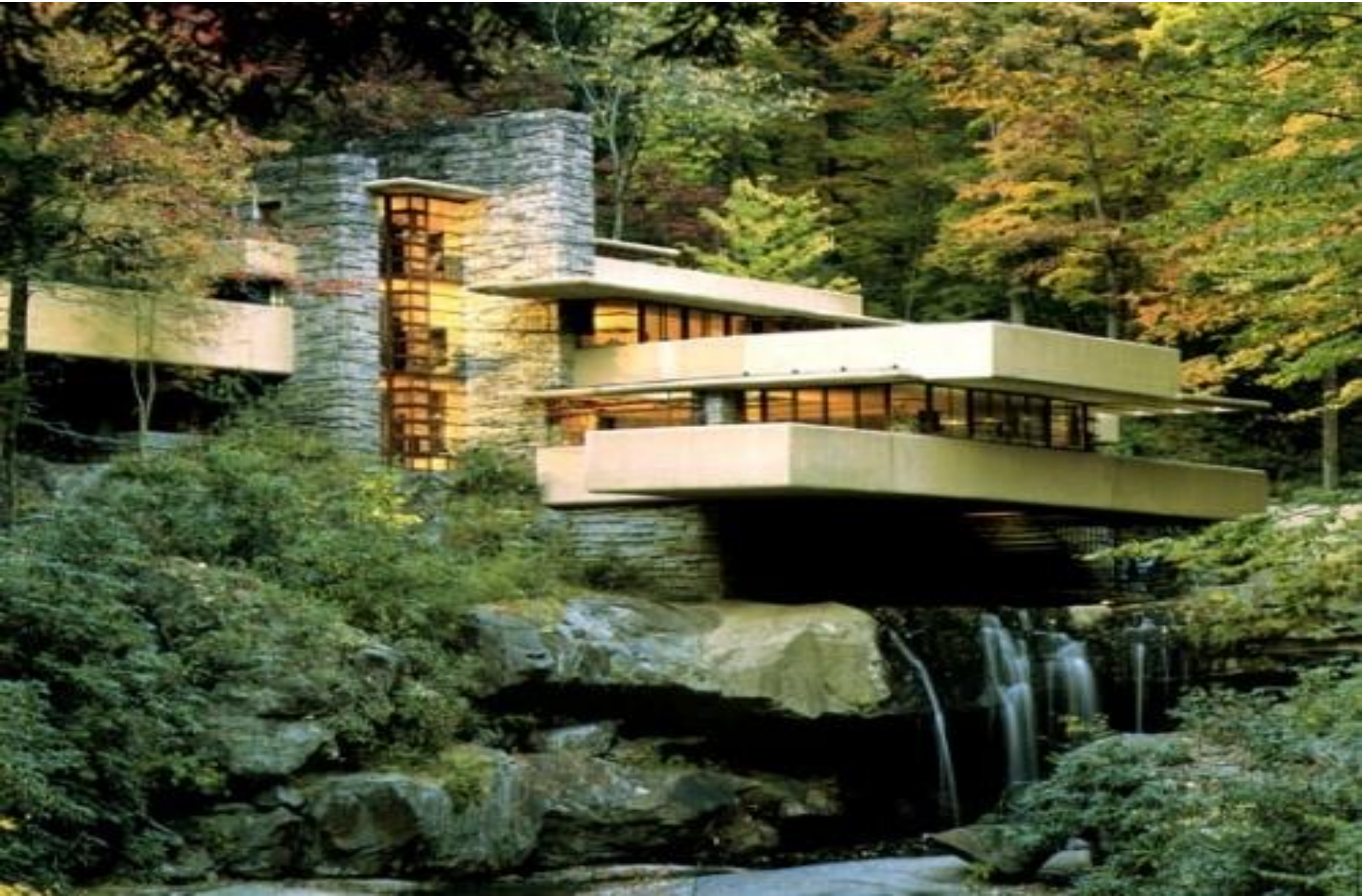
Colosseum(Rome)



Burj-al-Arab(Dubai)



Falling-Water(USA)



Petronas twin tower(Malaysia)



Sydney opera (Australia)



St.MARY(London)



Parthenon(Greek)





Panthenon(Rome)



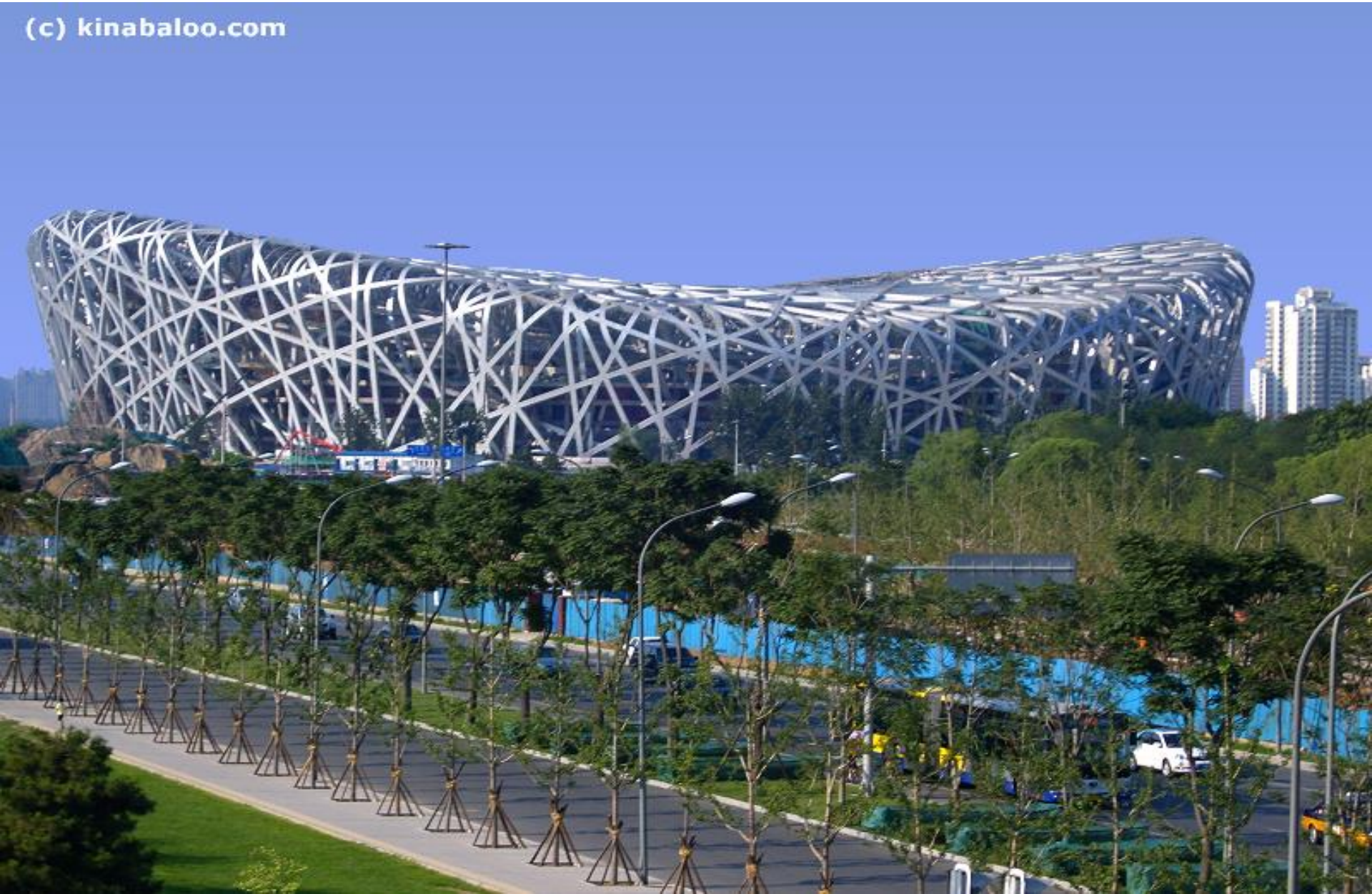
Christ the Redeemer (Brazil)



House of parliament(ENGLAND)



Bird Nest (china)



Big ben (England)



Eiffel Tower (FRANCE)



Forbidden City(CHINA)



Giza pyramids(Egypt)



Golden-gate-bridge(USA)



HagiaSophia(ISTAMBUL)



Jefferson-Memorial(USA)



LOUVRE (France)



Statue-liberity(USA)



St.basils(moscow)





Taj-Mahal(India)



Tower of Pisa(Italy)

