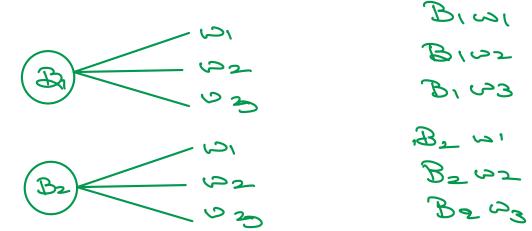


and n trials/Events

Possible Outcomes

5 bowlers available
3 wicket keepers available
and











5 x 3=15

There are 3 ways to move from Chennai to Bangalore.

There are 4 ways to move from Bangalore to Delhi. In how many ways can one reach from Chennai to Delhi via BLR?

4 options

Active Duration(Most preferred: 30 seconds)

Bus Bu 8 toain  $\mathcal{B}$ Bike BUR BUR 245 Train Dur 2 listat Bike Bus BUR

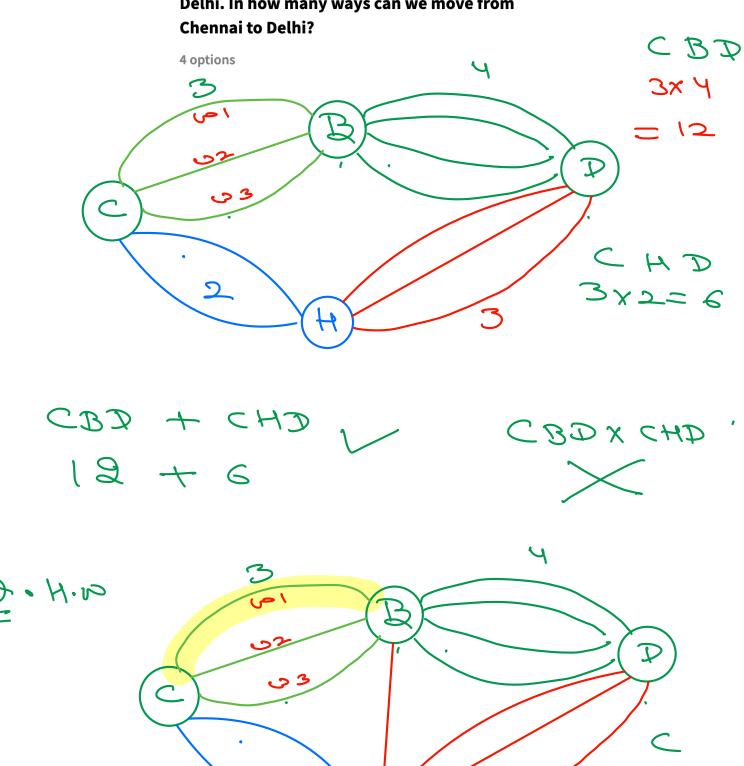
Train



There are 3 ways to move from Chennai to Bangalore, and 4 ways to move from Bangalore to Delhi.

There are 2 ways to move from Chennai to Hyderabad, and 3 ways to move from Hyderabad

Delhi. In how many ways can we move from



#### A fast food outlet has the following types of items in their menu:

• Burgers: 3

• Pizzas: 3

• Drinks: 3

Sandwiches: 5

• Fruits: 7

#### From these items, you can choose one of the following combos:

• 1 Buger and 1 Sandwhich

• 1 Fruit and 1 Drink

1 Pizza

How many different combos can you order?

C1 2 B and S 3 3 x 5 => 15

C20 F and D 07X3021

C39 P 9 3

C' 02 (5 02 (3

15+21+3 5

# Des son est adison

D Haadelseavest of Items

Combin ation

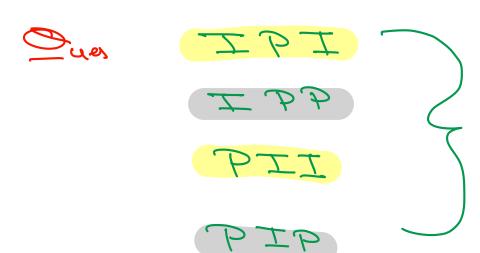
D Selection of Objects

De 03

The Company (Order Matters)

The Company (Order Matters)

The Company (Order Matters)



S bo 8% ple

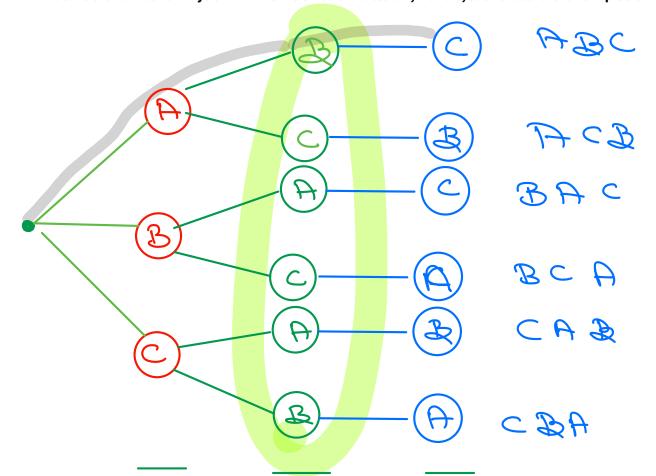
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### Quiz time!

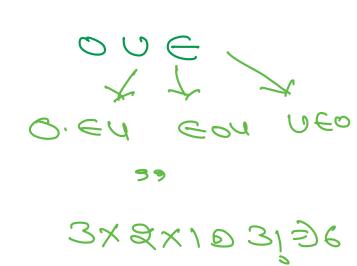


What are the number of ways of ARRANGING three characters A, B and C, such that there is no repitition?



2 Repetion 6 permations Quiz tillic: Time Left: 32s In how many ways can the letters of the word "COMPUTE" be arranged such that the vowels always come together? V-> OUC

**\$** [



## Quiz time!



Given 5 different characters, in how many ways can we arrange them in 2 places, without repitition?

5 4 5 x 4 D 2 0

Formula Jes Permutation

9 Arrange Nobjects in k slots

 $N \Rightarrow \frac{N!}{N-K!}$ 

8 31 m D 3 1 5 7 1 x 3 x 2 x 1 8 20

 $2b^2 0 \frac{(2-2)i}{2i} 0 \frac{0i}{2i} 0$ 

## Quiz time!

Time Left: 41s

There are 4 players P1, P2, P3, and P4 who can play in the top-order batting positions of 1, 2, and 3.

How many arrangements of top-order can we make from 3 of these 4 players, keeping in mind the order in which these batsmen come?

Harroch,

4

2

 $S_{\lambda}$ 

32

S

9 4 x3 x 2 9 2 4

HOBROACH & D & = ,

K = 3

0 2-K) 1 (d-3)

2 24

Campl	Comb 2	Comb3	Comby
P1, P2, P3	P1, P2, P4	P1, P3, P4	P2, P3, P4
P1, P3, P2	P1, P4, P2	P1, P4, P3	P2, P4, P3
P2, P1, P3	P2, P1, P4	P3, P1, P4	P3, P2, P4
P2, P3, P1	P2, P4, P1	P3, P4, P1	P3, P4, P2
P3, P1, P2	P4, P1, P2	P4, P1, P3	P4, P2, P3
P3, P2, P1	P4, P2, P1	P4, P3, P1	P4, P3, P2

a Compination Hons

3 bladers person 3!

Harass 3 Harry ont 21

 $N \subset K$   $N \subset$ 

Select 2 blake ont of

1 0 11

-21:421

A Maruti Showroom has 3 colours in their "Baleno" model and 3 different colours in the "Swift" model.

In how many ways can they place these 6 cars, such that Baleno and Swift are kept in alternate slots?

5 options

3 x 3 x 8 x 2 x 1x 1 0 36

-tel 9 36 +36 9 72

2 3 Rigit (16 passible 0-9

103