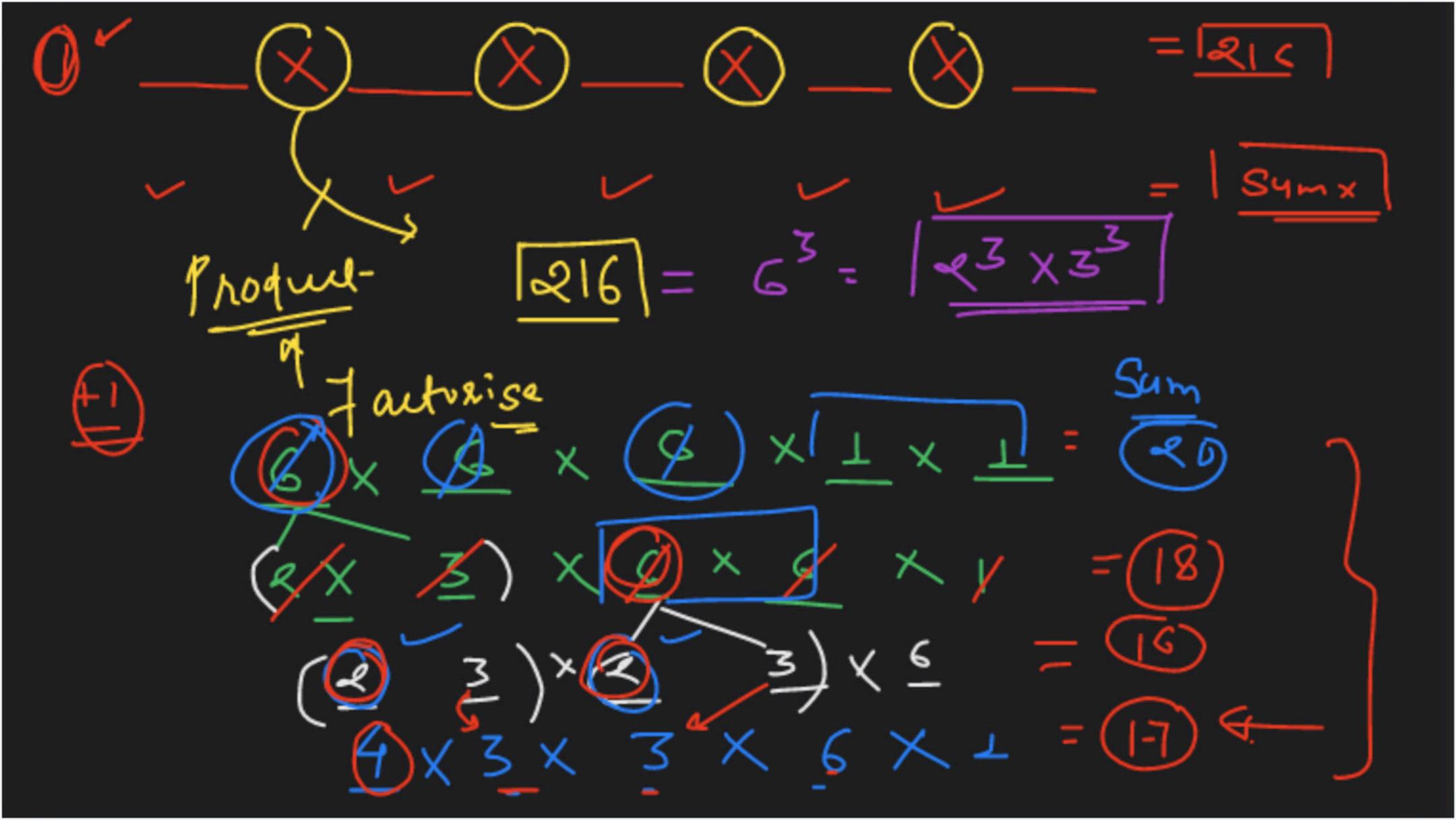


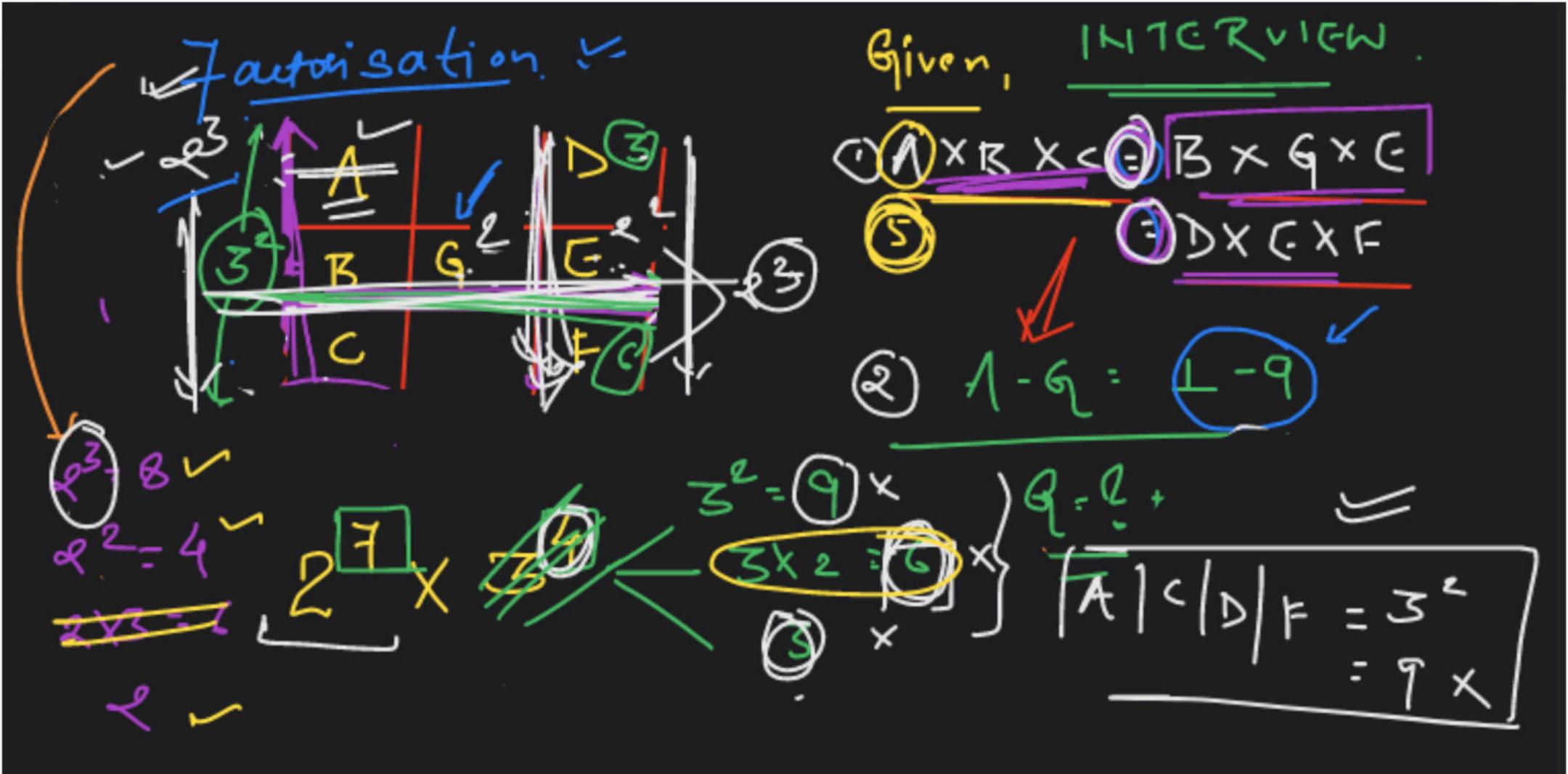
Course on General Aptitude for GATE 2022-23 Batch - Part I

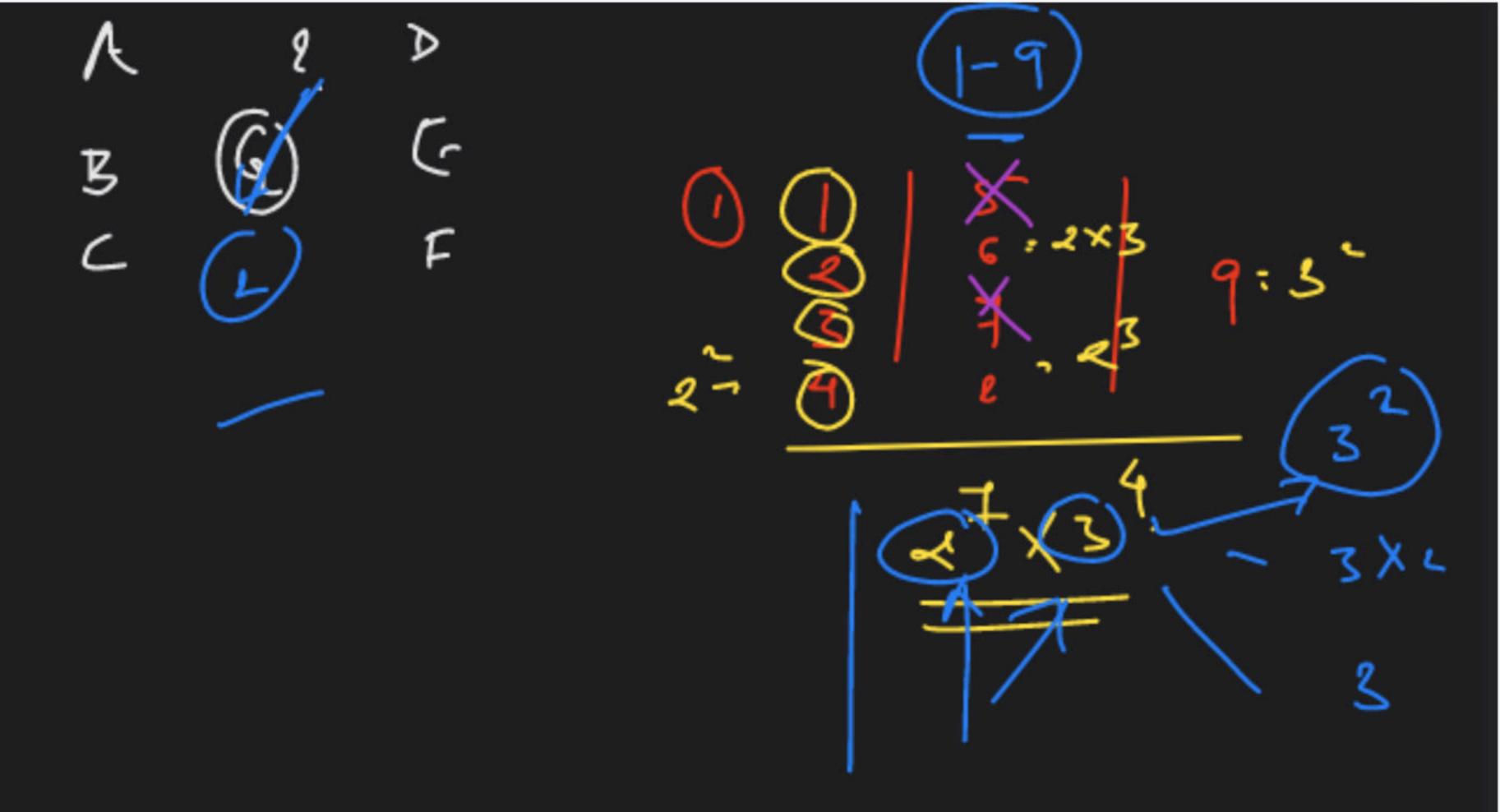


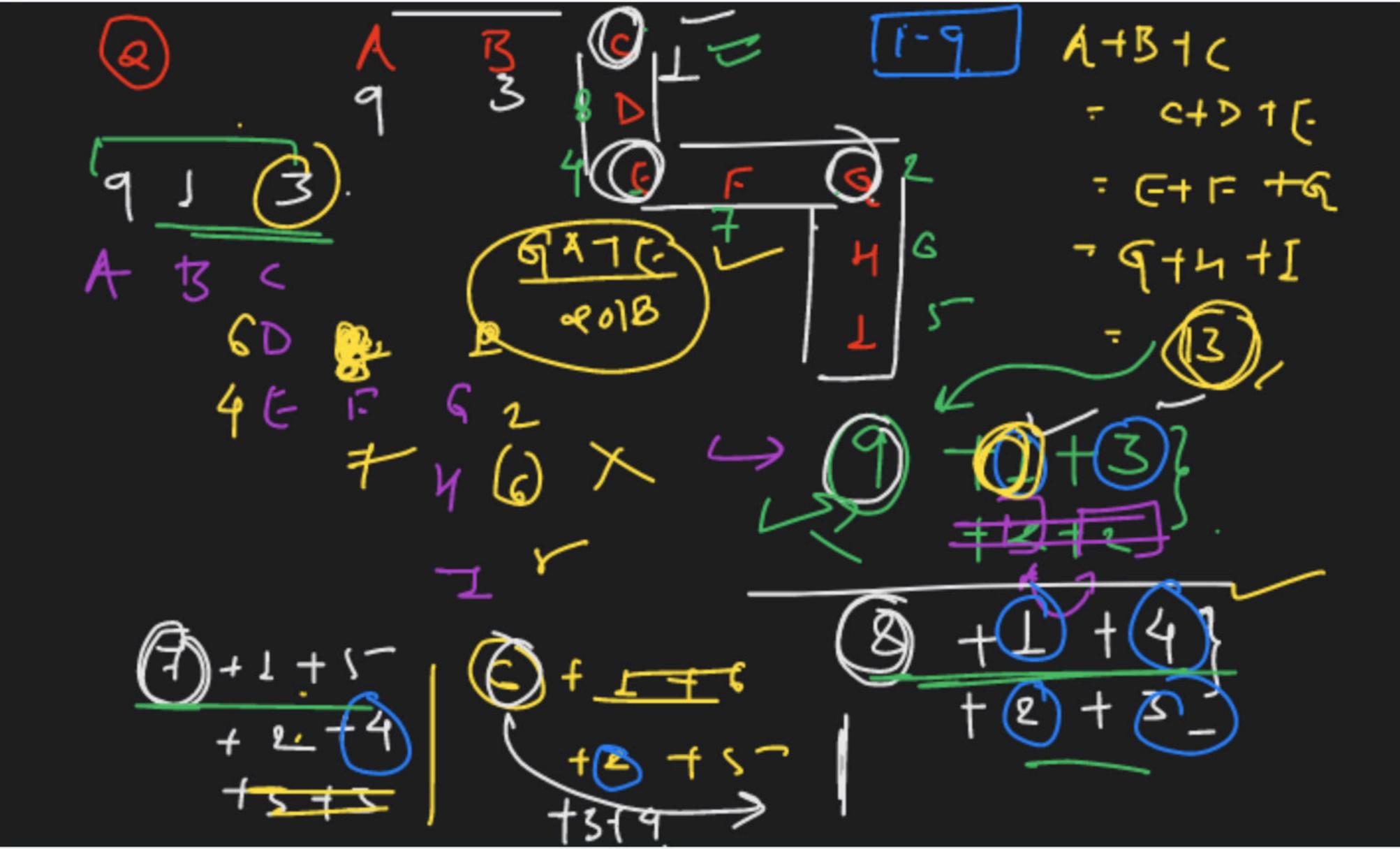


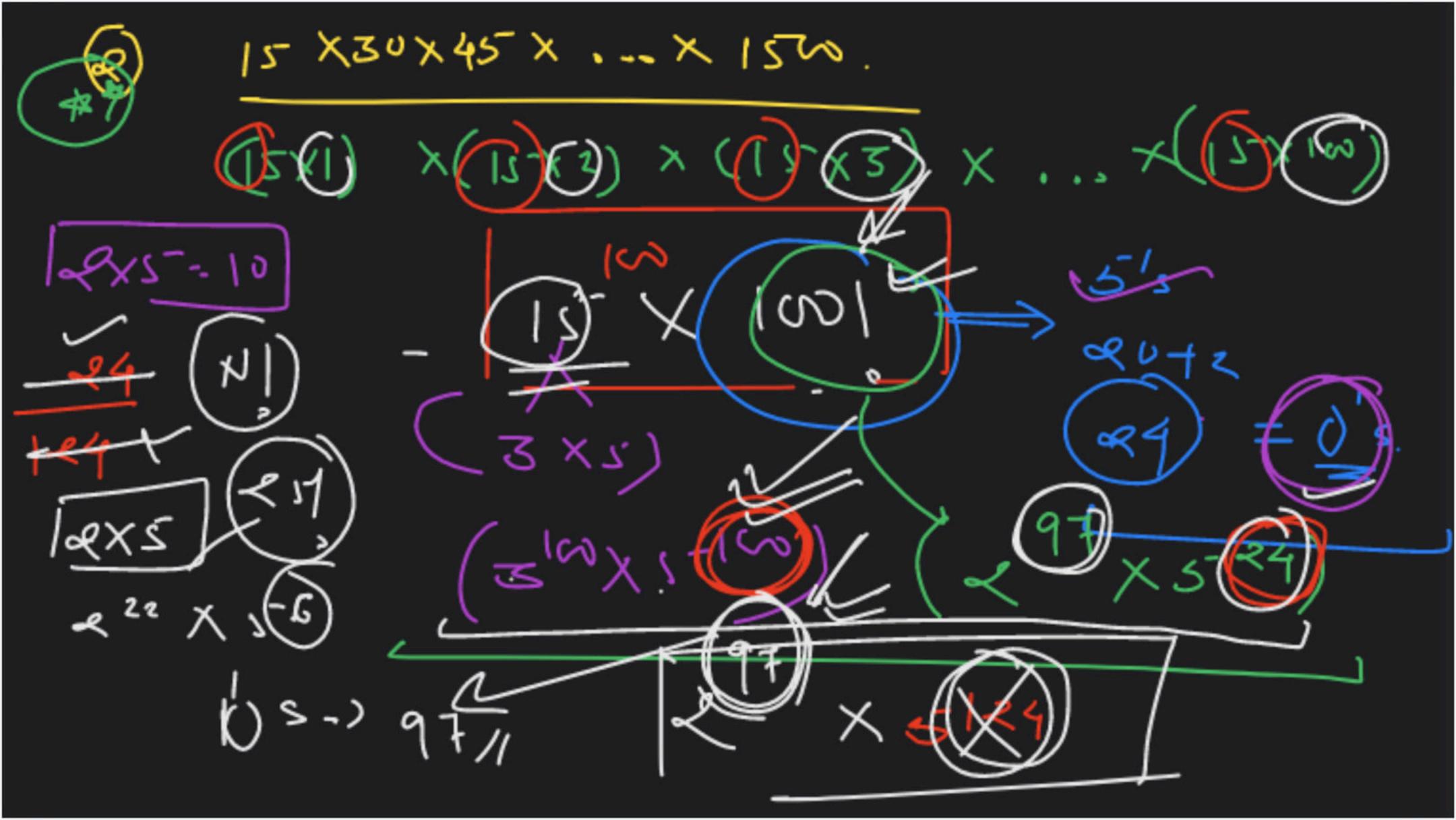
PERMUTATION COMBINATION



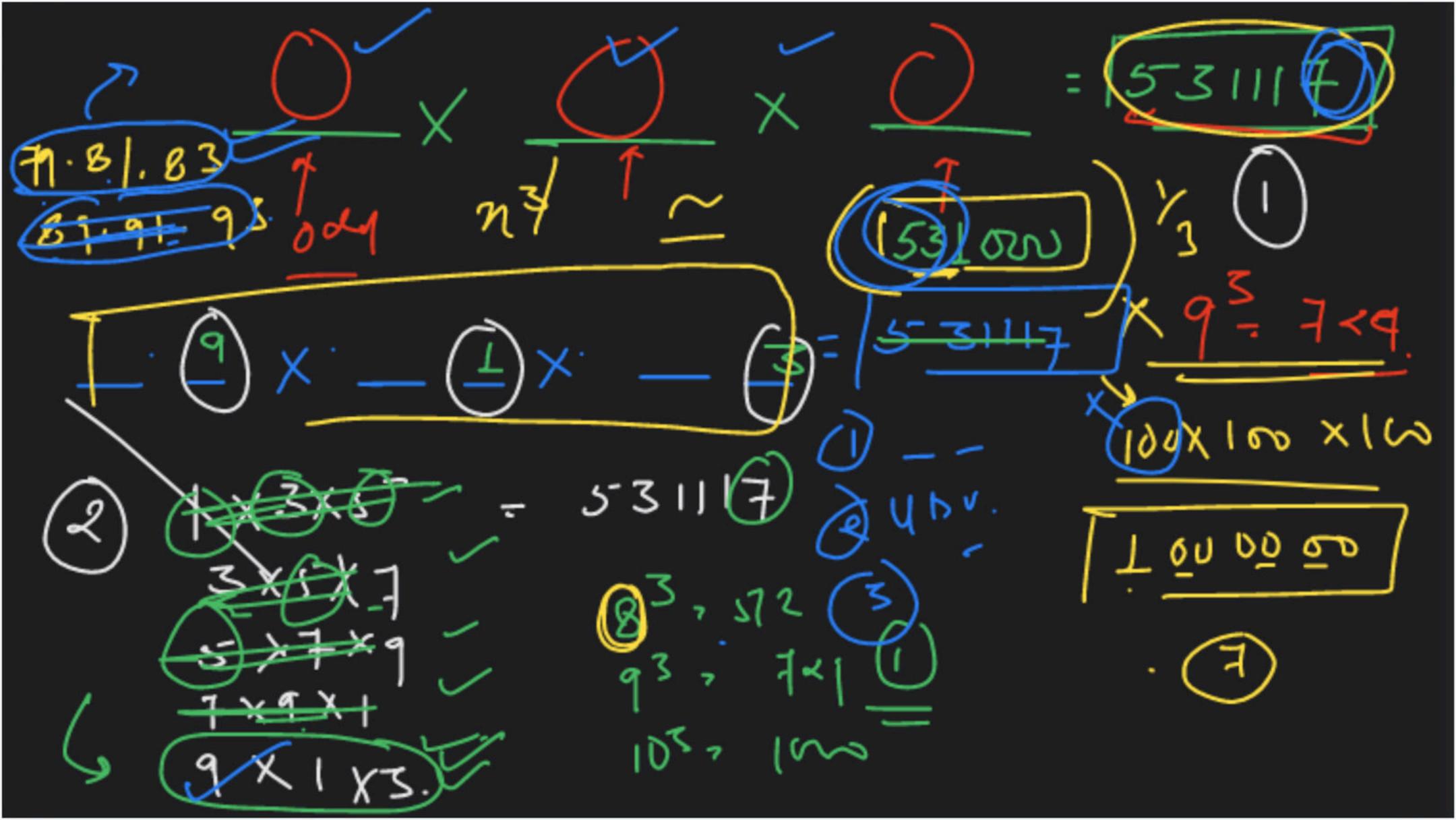


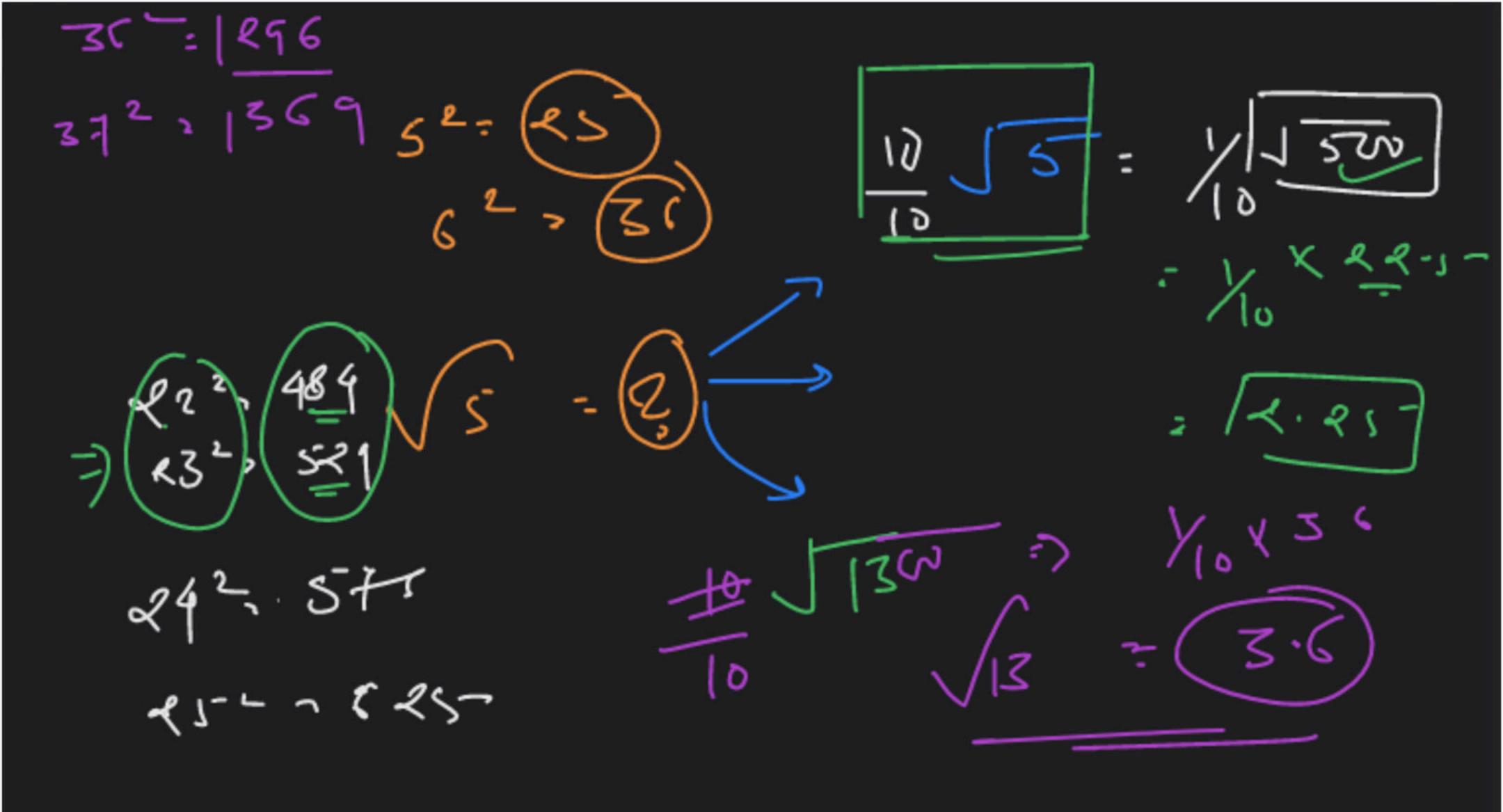


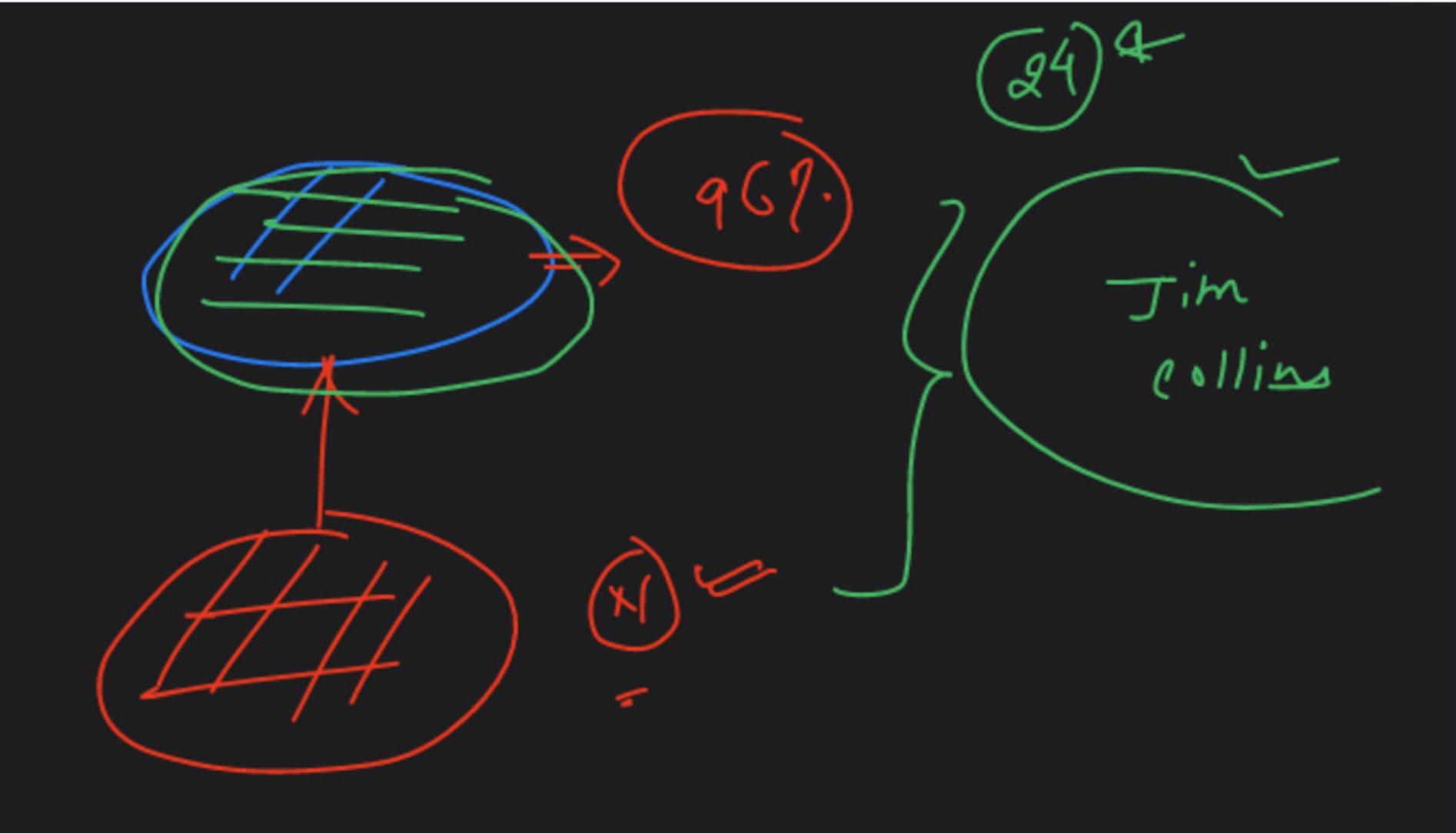




12 · 13 2 × (21) = 12 · 2 144 20 215 (13 = 169











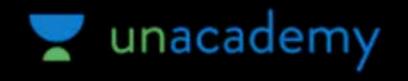


Agenda: Letters Arrangement





- Q.11 How many different words can be formed from the letters of the word GANESHPURI when:
- (A) All the letters are taken.
- (B) The letter G always occupies the first place.
- (C) The letters P and E respectively occupy the first and last places.
- (D) All the vowels are always together.
- (E) How many words of 5 letters each can be formed each containing 3 consonants and 2 vowels?
- (F) All the vowels are never together.
- (G) No 2 vowels are together.





Agenda: Team Formation



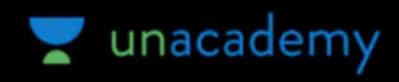


- Q.12 How many committees of 5 members each can be formed from 8 official and 4 non-official members in the following cases:
- (A) Each consisting of 3 official and 2 nonofficial members.
- (B) Each contains at least two non-official members.
- (C) Each consisting of at most two official members.
- (D) A particular official member is always included.
- (E) A particular non-official member is never included.





Q.13 Out of 8 men and 10 women a committee consisting of 6 men and 5 women is to be formed. How many such committees can be formed when one particular man A refuses to be a member of the committee is which his boss B's wife is there?





Q.15 A three-member committee has to be formed a group of 9 people. How many such distinct committees can be formed?

(A) 27 (B) 72

(C) 81 (D) 84

[GATE 2018: IIT Guwahati (CE Set - 2)]





Q.16 An e-mail password must contain three characters. The password has to contain one numeral from 0 to 9, one upper and one lower case character from the English alphabet. How many distinct passwords are possible?

(A) 6,760 (C) 40,560 (B) 13,520

(D) 1,05,456

[GATE 2018: IIT Guwahati (EE Set - 1)]