rangem: combination: @ncm = n-2 +2, n-2 + cn-2 10 non+ non+1 = n+10m -0100000 = n-2 - 2 - 2 - 2 - 1 + n-2 - 2 - 2 = n-5 m+ n-5 + n-5 m-1 + n-5 almound = NGW + NGW-1 2 n-1cm+ n-1cm-1 3 1 1 1 1 - M + 1 1 1 1 1 - M+ = nen = R. H. & (Proved). 2 [n + [n-n + [n-n+1)[n-n (11) n+2 = n Cm+2, Cm-1+n Cm-2  $=\frac{1m}{(m-1)(m-n)}\left(\frac{1}{m}+\frac{1}{m-m+1}\right)$ -otworm 2 7Cm+2,7Cm-1+7Cm-2 = 1n+1 = n+1cm= 2n 1n+1-m = 2p.H.s (Proved) = ncn+ncn-1+ncn-1+ncn-1+ncn-1 = n+1 + n+1 cn-1 = n+2 Cm = R. H.S (Anoved) (1)  $n^{C^{h}} = \sum_{n=1}^{n} + \sum_{n=1}^{n-1} x^{n-1}$ Allower 2-1 + 1-1 1-1 3 Hanes no 122 nog 2 m m-1-n + m-1 [n-1-n+1 or, mc12 = 1 or, n-8 = 1 > m-1 n-n-1 = + n-n > on, n-8=12 oy, n=20 = In In-m = ncn
2 dissour (Proved) : 220m = 22 = 231 (Ansi) -othorns nent + nent + n+ len 2 n+1 + n+1 ch = n+2 cn+1

2 Rithis (Priored).

1 n+002: n+803 23:86 20, nc m+2 = 3 -01, (n+3)(n+2) x 3x2x)
(n+8)(n+7) (n+6) 56  $\frac{n-n-1}{n+2} = \frac{3}{2}$ rol, (n+3)(n+2)xs6 = (n+8)(n+7)(n+6) -d, n-1 22 71,2n-2n-223n+6 -d, 2n-5n-8=0 M > N - 341-5 = 0 -01, 56mx+ 280m+336 = (n+8) (n+13m+42) 74, 56n7260n+336=n3+13n742n+8n4104n : Taga n 214 For m = 4 (Ans.) od. N3-35n2-184n=0 -ou, n (n~35n-134)=0 3 Hane, nc225 \* nc4. (Ans) | 2-3.48 | 201  $\frac{n(n-1)}{2} = \frac{2}{5} \times \frac{n(n-1)(n-2)(n-3)}{4 \times 3 \times 2 \times 1}$ 01, 1 = 2 × n 5n+6 B) The sis mid Kie arrighter (vilae ot, 2n~-10n+12 260 Stoollo 1 M Lato Darlom ol. 2nv-10n-48=0 .. n 2 8 | m = 73 20: 4 RE- तित्र - 9C4 (And) 20: 2 ft Gan (51) 2 Re Per (Thei) 10, x 402 @ npn = 240 M-n = 240 · · · ① " molan -mallaun = sch+(,c1x, co) again, non = 120 1900 11 - 1900 . 211 (Ansi).  $\frac{1}{2} \frac{1}{2} \frac{1}$ 1) Deduce - marle i sania sle 1 1 1) si lat (1) Liet sein -alle onis, this: Day 666 का: ५ सि स्नि ५८५ 1) AL Jame atulo oris, 56: FH Cars np 2 240 GO: forthe for seg x 3c, od, n(n-1) = 240 7, n-240=0 Forth for con = 4c4+(3c2×2c2)+(3c3×3c1) Male | n=15.

Ans.)

Betacor Olmevas AM = 7 (ns.) Linamet

@Protesson make ourselfer 200 @ we known, 1 12 - ala am cula: anto no2-1 efe nnooss = <u>In(n-1)</u> -n का परिकार किए प  $\frac{1}{2}\frac{\lambda}{\lambda_0-\lambda}-\lambda$ 20: 216 600 301 x 502 = N/- 11 - 5 N 2 K ( ( ( ) 5 (Caus 3C<sup>5</sup>  $=\frac{n}{2}(n-3)$  (showed) ο**φ**: 2 16 Jan 2 : lane to houseme  $=\frac{n(n-1)(n-2)}{n}$ = 6c4+(3c1× 5c2)+3c2=48-nzegar) = n (n-1)(n-2) (Showed) अविक विकार at 200 (Q) 19) we known, 1,2,3 6 1,2,3 7 orz. 1,2,4 7 : क्रिक अमिति अस्त ! क्ष्रिक मार्थि पर (400 × 601) + (403× 602) + (402× 603) :: R235-3 232 will or (Ans) + (40, x 80g) 2246 - NZEGOT) (Ans.) 12 Cour Les dus -aislo villay: for 6 ft (5) 28c5 × 4c2 \* (2) 1-100 A = 306 - arta 1 (Ans.) oug-2 over (d) EAR OLDER = (50, x 502) + (503 x 503) (5c2 x Sey) = 200 (Ansi) , tayle con and wisle outing; (9c7x 2c2)+(9c6x 3c3)+(9c5x4c4)

-antall (4) (1) Cour energy way was out . (c) 1 mo 2 (6c4 x 4c2)+(6c5 x 4c1)+(6c किछात (ड) = 112 m. Mar (m.) 20 Engineering -> D. Jamesla aunalla o de lata apete Eee nan 88 ii re = (5c4 x 3c0)+ (5c3 x 3c1)+ (5c2 x 3c2) 20: 41 fex 504x 14= + (2C1× 3C3) 2 10 . Malie 1 (42) engin o 2 to fore 40, x 40, x 40, x 10 (11) Cara de sem 510 manten 9 de arte = (5c3 x 3c1) + (5c2 x 3c2) + (5c1 x 3c3) 216 Forg (R) 60: 31 Gar 20, ×40, × 13 o es stavio, (Just) ० १८ विन 80%: 200 402 402 x14 - mult (5) 19) OFEM (6) : tour - wed way = (2 cd x 17) + (40, ×402 × 12)+ (20, × 40, × 13) + (450 × 14 ) 5 428 mi evar : was super such (6c2x7c3)+(6c, x7c4)+(6c0x7c5) 53) Cour Lu Lugu: 3 426 Mario (Anti) 2(604×807) + (605×808) + ( & x & c &) = 3 44 million (00) ng : ng : ng = 15: 24: 28 20, non+3 = 26 non+2 50) Con कुवं अराय = or, nan+2 =nentl 2(504×502)+(503×503)+  $m, \frac{n-n-2}{n+3} = \frac{28}{24}$  $\frac{n-n-1}{n+2} = \frac{24}{15}$ (See x Seq) 2 200 ruggar 01, 24n - 24n - 48 = 28n +84 71, 15n-15n-15=24n+48 on, 24n-52n-132=0 (Aus.) -d, 15n-39n-63=0 :1212 Ga: 11=3 (Ansi) Betacor Linamet ımevas AM

ED com vyager = 10 b3 = 6150 nradar 1 2 1505 × 1005 × 505 26) ton -ponon= (70 × 10) + (705 × 202) 2756756 · (ms.) + (7c4 x 3c3) +(7c3 x 4c4) interpretation of the Boles of 2 98 mraa ( Am.) 

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: (an nattens 2 (4c1 x 4c3) +(4c2x 4c2) +(4c3 x 4c1)
= 68 (Ansi)

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