Freday AL DEAM WAA m! = m. (a-1). (a-2) ... a. 1, ese we N 0! = 1

PREKLAD.

m! m.m.h.m.2)(n-2)(n-4);

= m(m-1)(m-2)(m-3);

Unuline Exeles Etoles. Mest. a (& 20 12 & i

loved he his whoesple & m-purhor, puison no proad probon

A, $R_1C_1D_1E$ m=5 $C_2(5)=(5)=(2)=\frac{5!}{2!3!}=\frac{5.4.3!}{2.3!}=\frac{5.4.3!}{2.3!}=\frac{10!}{2!3!}$ pricing webride notional neganded duspice

ich preed p(n) = p(n)DORGER R- Les brieby bee operacina Kondinestie

WASTNOSTI KOMBINARWYCH CISEL

m:0:=1

$$C_{n} = 1$$

(5)
$$(\frac{5}{2}) + (\frac{5}{3}) = (\frac{6}{3})$$

(a)
$$\binom{5}{4} + \binom{5}{3} = \binom{6}{3}$$

(b) $\binom{11}{4} + \binom{11}{8} = \binom{11}{4} + \binom{11}{3} = \binom{12}{4}$

Robers in you oalow or doyce estución (souistri, el sendy lust M. Wood

$$n=4$$
 $(a_1(4)=4)=4!$
 $(a_2(4)=4!$
 $a_1(2)=2!$
 $a_2(2)=6!$

Navius je de for 10 loson. Kollo rôgos puraust hiet bor los luezaje (13) al aire de aire de la serie de la serie de la la serie del la serie de la serie de la serie de la serie del s b) 4 boly wing wa jebus priowile a 22000 3 boly lawia.

(10) - (4) + 1 - (3) + 1 = 45 - 6 + 21 - 3 = 100 days pricate (2) - (2) + 1 - (2) + 1 = 45 - 6 + 21 - 3 = 100 days pricated

(n2-10)(n2-0446)-5060 R-2=m Mide weed oright showings ordice, as well, de [m=10] 10.9.7=5040 m.(n-1)(n-2)(n-3) = 4.3.2.2.0 m(m-1)(m-2)(m-3)= 24.210 -= 210.4! w(a-1)(a-e)(m-2)=2040 m(n-1)(n-2)(n-3)(m-4)! (n-x) (m-4)! 4! = 810 m $C_{4}(m) = 210$ (m) = 210

Volles would ruspe dow paror (cheaper, diense) nuises

$$45.10 = 450;$$
 $45.10 = 450;$
 $45.10 = 450;$
 $45.10 = 450;$

2 32 havied whichuseus 4 seeky. Kathylie morromi wildowe

whichus?

a) 4 killor a 2 reducity

c) 4 meened harry

d) 1 kuler a3 reduickery e) 1 kuler a 3 ine harby

a) $\binom{4}{4} = 1$; $\binom{2}{4} = \frac{2}{4}$; $\binom{2}{3} = \frac{2}{3}$; $\binom{2}{3} = \frac{2}{3}$; $\binom{2}{3} = \frac{2}{3}$; $\binom{2}{3} = \frac{2}{4}$; $\binom{2}{4} =$

(b)

x 24 problem is 4 office. Le souther gral kolfui minoreni nisterio ne sout assol ?

Explini minoreni af wei met espel ?

Exp. 1 af brei met espel ?

Exp. 1 af brei met espel ?

Exp. 1 assol at office feels?

Exp. 3 assol ar office feels? 17 jedalde (4 je chlob

a) $\binom{47}{4} = -19448$ b) $\binom{47}{4} = -1$ c) $\binom{47}{4} \cdot \binom{4}{7} = 1$ d) $\binom{47}{7} \cdot \binom{47}{7} = 1$ d) $\binom{47}{7} \cdot \binom{47}{7} = 1$ e) $\binom{47}{7} \cdot \binom{47}{7} = 1$ e)

Ve (n) shufilly go &-prohost, ble we prash kalard $V_{k}(m) = \frac{m!}{(n-k)!}$

Tr. puped je shed D=M Muialcie Der grossmaria

 $\sqrt{m(m)} = \frac{n!}{(n-m)!} = \frac{n!}{0!} = \frac{n!}{n!}$ Remudative O(a) = m.

5x4x3x 2x1 = 51 = 5:4, 3,2 = 20.6 = 120; 7,3, 192 Hober 5 minges and new frail a which with 5/7/192

13(5)= 5, 5.4.3.2! 5.4.3

NOCEO 5. Wierford was 2.1 - 26. 112,3,4.2 - 60.

4(3) = 4.3.2.6 = 24.6=144. I sal 1834 strontly. Rolling problem to resemble ussit! all decue, at somey boil redeated illa? 1,2,3 durjaj.cobe Do huisinia choeme whist wille abe 6 kmile, a horse MX M = M Jorumboleie. A sparaulu lem m= p(n) Mariatie o opolonoume. Va[m]= 8 n=3 &=2

(F)

V'(2)+ V'(2) + V'(2)+ V'(2)=2+2+2+2+2=6+8+16=30; Koller perhor Moeseny esecely niteeur retroit, al externe long a cierry do Lupin 10-4 perseni?

10! 10.9.8.7.6. X notice whych person a deviationing personic moint person period 5(3,2, e piation A, Ance B, done e? A 4 I CC 3 A B A A

Meredore remutatie spokeración.

= 90.28= mas

need m= my+ nz+...+mx &-idge puseon, & hosalelus duedu mediue ne protos Remedicio soposmila

govel permedeil a groburacine p:

(a) = 0

my my - mk an! Me! --- Me!

23.2.4,1/1 21.31.21.1/1/1. - x.x.x.x. Kolly wyon puelogly assergent a 10 phonemanni neure jurist E SON MATERIATINA.

P'(10) = 10!

= 90.56.30 = NEN 200.

Q

Volutive je do studendry, a Al. 3 dorahiju rebel 1900g. Valtyni spitrolini nudene zrak 6 studentry, az vol modei nimisky nezviec 1 dalz straboud? 6 shelewhor 14 dolla a 3 shefer

dold a 3 dold (14) + (3) (14) = = 30940