114:00101110	Λ
VIM: 201011402125	Matematika Diskrit
1.a. n = 14	C
r= 4	= 0 2 1
1 - 1	
	10-330
(n-r)!r!	17 (1-1)
111	
14 C4 = 14!	SCREAM
(14-4)! 41	14:1(t-X)
= 14!	X3XIXEX8 3
10! 41	18 8 14
= 14x13x12x1	1xtot
+Q! x4x3x2	×1 HG
= 24.024	
	1/01
7 U	
24	
	-21 8 -20 - 102
= 1.001/	-318=30 - W
b. n=6	3=15-
= 1.001/	2 = 8 = 1 5 = 8 = 1 5 = 8 = 2 = 2
b. n=6 r=4	2 = 8 = 1 S = 8 = 1 S = 2 S =
b. n=6 r=4	218=30=6 N N=1 N=2 N=2 N=2 N=2 N=2 N=2 N=2 N=2
$ \begin{array}{r} $	2 8 = 20 = 8 5 = 8
= 1.001/1 $6. n = 6$ $r = 4$ $nCr = n!$ $(n-r)!r!$ $6.64 = 6!$	2 = 8 5 = 8
= 1.001/1 $0.0 = 0.001/1$ $0.0 = 0.001/1$ $0.0 = 0.001/1$	2=8 5 5 5 5 5 5 5 5 5
$= 1.001/1$ $6. n = 6$ $r = 4$ $nCr = n!$ $(n-r)!r!$ $6. 4 = 6!$ $2! \times 4!$	2 = 8 5 = 4 5 = 8 5 = 4 5 = 8 5 = 6 6 6 6 6 6 6 6 6 6
$ \begin{array}{r} $	2 = 8 5 = 4 5 = 8 5 = 6 6 6 6 6 6 6 6 6 6
= 1.001/1 $6. n = 6$ $r = 4$ $nCr = n!$ $(n-r)!r!$ $6C4 = 6!$ $2!x4!$	2 = 8 5 = 1 = 2 = 8 5 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 =
$ \begin{array}{r} $	12 = 2 S = 2 S = 3

000000

000

0000

JF ! (F-H)

18 x 8 x 8 x 1 St

C. n=8

nCr = n!(n-r)! r!

81 864= (8-4)! 4!

#1 x 41 8 x 7 x 6 x 2 x 4 y

1.680 TX 11 X 21 X 21 X B =

70/

d. 6C4+ 8C4 = 15+70 = 85/

11=6 8. 12 = 8

r = 2

12Cr = 1 =15×28 $n_i \leq r = n!$ (n-r)!r! (n-t)! r! = 420/1 6! (6-2)! 2! = 8! 6C2 = 802 (8-2)121 6x5x41 = 8×7×61 61×21 ·= <u>56</u> = 28 30 = 15

$$U(L = U)$$

$$=\frac{52!}{(52-7)!7!}$$

$$U^{5}C^{1} = \frac{(u^{-1})^{i}L^{i}}{U^{i}}$$

$$= \frac{38 \times 37 \times 36 \times 35 \times 34 \times 33 \times 32 \times 34}{31! \times 7!}$$

$$= 12.620.256$$

$$VA(L = \frac{(v \cdot l)!L!}{U!}$$

$$=\frac{31!}{(31-7)!7!}$$

$$U(L = V)$$

$$\begin{array}{cc} H \cdot & N = 5 \\ \Gamma = 2 \end{array}$$

$$UCh = Ui = 2x + x 3i$$

$$= 51$$
 $= 10/1$