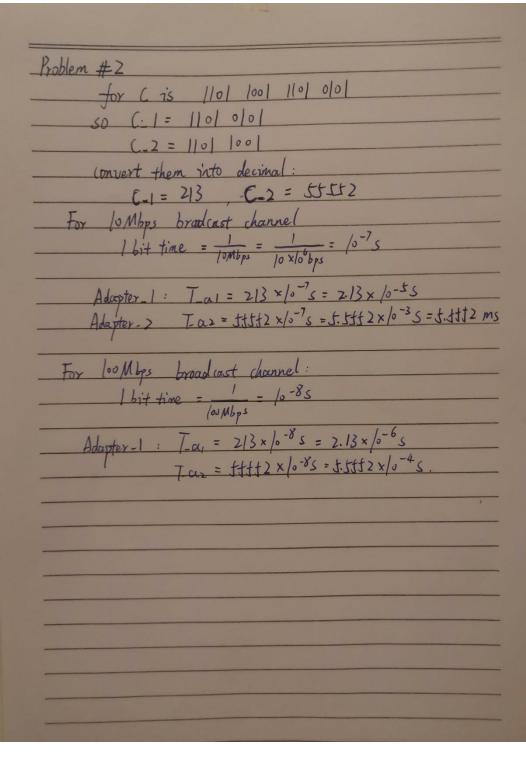
## 武汉大学试卷纸

专业 软件工程字工 年级 20	7 学号	-201	7302	180	053	姓	23	张生	工艺	-
科目分布式计算 成绩	STREET, SQUARE,	_	3	4	5	6	7	8	9	10
Predefined parameters:  A = "20173"  B = 58005:		f3 "								
Problem #1 My 8 = 580053										
equals 1000 chouse 16-bit	101	1001	11°	No.	0/01	, the		shou	ld b	e:
With D = 1110 000	0 0000	0001								
the checksum show 1/01/10 100000000000000000000000000000	0 1101	00	1	ed o	XS.					
1011 10	101 1101	0110		W	ith 1	2 H	oll i	back	:	
one's complement code	is									
										-



Problem #3
The corresponding extended URL should be like:
(s. Wha.edu.cn/studentID? 20173024800.t3
D.11 4/1
Broblem #4.
My (-1=213, so the size of data should be:
2400 + 2/3 = 26/3 bytes
Since each IP header has 20 bytes at least, so, the total size of original datagram is:
so the total size of original datagram is:
Total = 20 + 2613 = 2633 bytes.
MTU = 700 bytes, means each IP datagram can only
load 700 - 20 = 630 bytes
2613 ÷ 680 = 3 ±73 bytes
· · · · · · · · · · · · · · · · · · ·
The identifier number is \$\footnote{1}\footnote{1}. used to combine all the fragments.
And this field won't change in each datagram
The various fields of value is shown below:
Identifier: Flags Offset
Fragment 1 HH+2 1 0
2 ++++2 1 680
3 +1++2 1 1360
4 Htt2 0 2040
Though the PPT say it the offset field should divide by 8
but the value I check in the experiments of Wireshark didnot, so I did
not divide

Problem #5
My C_1 = 213 so it should be like:
0
2/W 2/8+5 U
x - y - 213+6
a) The x's distance yeator:
$D_{X}(W) = 2$
$D_{x}(y) = 4$
$D_{X}(u) = 220$
b) The change of C(x, w):
any change of C(xw) would cause & to inform
5ine Since Dx(u)= ((x, w) + dw(u)= 220.
if ((xw) \$ 2, the minimum - cost path to u must change.
The change of Clx, y):
Let new $((x,y) = \beta$ .
if B+ × Dy/u) ≤ 220, then it would cause x to
inform its neighbors.
3+ Dy(u) \$ 220 ···· () integer
so if new B=+, so B can not be zero
50 if new C(x,y/=1, x has to inform its neighbors.
(() We have elaborated that any change of (x, w) would cause
x to inform, so only change in ((X,4) would not
Let new $c(x,y) = \beta$ ,
if B + 219 \$ 220 (nearly same as expression (1)
B > 1, so as long as new ((x,y)>), x will not
inform its neighbors.

Problem #6
C-1= 1/01 0/01
The CPC asserts polynomial is X4+X+1
which means $G =  00 1$ so $r = 4 = 5 - 1$
11000001
100/1 /110/0/0/0000
10011
10011
10011
000000
10000
0011
so the R is 0011, the sequence sends out should be
1/0/0/0/00/1
the first bit thip: olololololololl, use G to dedivide it:
10/10/1
10011 )0/0/0/0/1
1001/
10011
10100
11101
10011
11101
1110
1110 not equals to 0000, so the receivers
can detect the errors.

Problem #7
My ( is 1/0/ 100/ 1/0/ 0/0/.  They It should use the longest profix matching.
They It should use the longest profix matching.
But my C only have the same first & bits in the tube, "Hot tooff", " //01 /00/ 1"  however none of the "frefix Match" has "1" following, so the interface for my C is /0,
teste, "1101 10011"
however none of the "frefix Match" has "1" following.
so the interface for my 'C is lo,
Rublem #8
My ('s corresponding M 3 = D9D5
My ('s corresponding M 3 = D9 D5 so MAE Mae-1 = 00-15-5D-41-D9-D5
laptop jeterfue 0 desktop
mac 1 switch mac-0
Mac_1 switch
Sine the laptop sends series of frames to desktop,  According to my picture, the frames from laptop would arrive
According to my picture, the frames from captor united arrive
Because no entry in the switch table, the switch would fix
broadcast the frames to destination, and record the Mac-1 into
switch table:
Mac adolyess interface time.
00-15-5D-41-09-D5 1 Arrival-time.

/1/
The hexadecimal value for the two-byte type field
1 (7x0000,
The upper layer protocol is ARP
Problem #9.
Wiveless network technologies:
W TEFE 802.11 Wireless LAN
characteristics: it has wider bardwith and the RF signal is stronger, without high comsuption
signal is stronger, without high comsuption
@ WiMAX, based on LEEE 802.16
it can support a longer transmission distance, provide
user a higher speed broadband access with excellent last
-mile notwork access service and multimedia communication
Services.
B LTE
i) It has low network delay, with shorter preparation time
for handover and connection creation than other.
It strengthen the support of mobile state connection,
even the speed is up to 400 km/h
37 Support from femto base stations covering tens of meters to Macrocell macro base stations covering looking
47 Support packet switching wireless interface
57 Support group broadcast single frequence network.
Und re-
17 Strong anti-performance, high transmission rate, large system

	-
apacity and new small transmission nower.	
capacity and very small transmission power.	
3) No need to use carries confidentiality 47 Extremely wide bandwith and good confidentiality	
3/ No need to we carries confidentiary	
47 Extremely wide band with and good tonfidentially	
0	
ZigBee:	
low speed, low cost and support a large number of orline nodes. low complexity Fast, reliable and safe	
Organe nouss. (or compening fast france see says	
NFC:	
,	
bidirectional connection and	
A. 7 [ (1) 0 ] 7	
And I prefer UWB because I am more care about my communication secrety than others and due to the good confidentiality UWB provides us.	
communication secrety than others and due to the good	
confidentiality WB provides us	
The Network System:	
I choose HFC to connect four campus of our school,	
since HFC have high speed and other advantages	
Since different Campus's students have different vonvivon	ne is
Since different Campus's students have different requirement for the notwork, it has to deal with the communication in	we
the same compus	

