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Report: hw7

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Class: 甲班

Description:

I am late passing up this homework by 1 day. I finished this homework by using all the night at night and I didn’t sleep 3 nights. I have learnt that homework should be done early because you will never know how difficult the homework is and what bugs you will meet.

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Way of Compiling: gcc -o hw7 hw7.c

Way of Executing: ./hw7

Function of the Program: A program that able to input or output the data into or from the file. the program also did the works of compressing and mapping data.

Updated Date: 2015.12.30

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#include<stdio.h>

#include<stdlib.h>

#include<string.h>

//defined global value

int num[400][400];

int newmapping[400][400];

int compress[400][400];

int n;

int map1[400];

int map2[400];

//function new\_mapping

int new\_mapping(int i,int size)

{

int h,j,k,jj;

for(h=0;h<=n;h++)

{

int times[400]={0};

int bbb=0;

for(j=0;j<=size;j++)

{

for(k=0;k<=n;k++)

{

if(num[i][h]==compress[j][k]&&num[i][h]!=0)

{

times[j]++;

}

}

if(times[j]>bbb)

{

bbb=times[j];

jj=j;

}

}

int kk,hh;

for(hh=0;num[i][hh]!=0;hh++)

{

for(kk=0;kk<n;kk++)

{

if(num[i][hh]==compress[jj][kk]&&num[i][h]!=0&&compress[jj][kk]!=0)

{

newmapping[i][kk]=1;

if(newmapping[i][kk]!=1)

{

newmapping[i][kk]=0;

}

}

}

}

return jj;

}

}

//structure

struct II1

{

unsigned unit;

};

//function bucket\_union

int bucket\_union(int n)

{

if(n==1)

return 1;

if(n==0)

return 0;

}

//function print\_result

void print\_result(int bucket)

{

printf("Successfully Done\n");

printf("There are %d buckets.",bucket);

}

int main()

{

struct II1 SS;

SS.unit=1;

FILE \*fptrinput,\*fptroutput,\*fptrindex;

char tmp;

int i,j,h,k,b,\*max,g,mm,a,remainder;

int record;

int yy[400];//the array used to record the numbers of buckets have

int totalrow; //how many row the bucket have

//file open

fptrinput=fopen("buckets.in","r");

fptroutput=fopen("mapping.out","w");

fptrindex=fopen("buckets.out","w");

if(fptrinput==NULL)

{

printf("Failed to open file bucket.in.");

SS.unit=0;

}

if(fptroutput==NULL)

printf("Failed to open file bucket.out.");

for(i=0;i<400;i++)

{

yy[i]=0;

}

for(i=0;i<400;i++)

{

for(h=0;h<38;h++)

{

num[i][h]=0;

}

}

totalrow=0;//control row

k=0;//which have how many number

i=0;//control column

//read the data into program from the buckets.in file

while(bucket\_union(SS.unit)==1)

{

fscanf(fptrinput,"%d",&num[totalrow][i]);

fscanf(fptrinput,"%c",&tmp); //the spacing between two numbers is input with the form of character

i++;

if((int)tmp!=32) //32 is the DEC of space in ASCII code

{

totalrow++;

yy[k]=i;

i=0;

k++;

}

if(feof(fptrinput))

{

totalrow++;

yy[k]=i;

i=0;

k++;

break;}

}totalrow--;

//number insert

int w=0;

while(w==0)

{

w=1;

printf("Insert a number equal or larger than 38: ");

scanf("%d",&n);

if(n<38)

w=0;

}

for(i=0;i<=totalrow;i++)

{

for(h=0;h<n;h++)

{

compress[i][h]=0;

}

}

int size,samesame,controlinputcolumn,controloutputcolumn,flag,list;

flag=1;

list=totalrow;

controlinputcolumn=0;

controloutputcolumn=0;

//the original space of the array 'compress' is 'n'

int spaceleft[totalrow];

for (i=0;i<totalrow;i++)

spaceleft[i] = n;

//compressing the data into the array 'compress'

int mark;

size=0;

while(controlinputcolumn<totalrow)

{

mark=0;

for (i=0;i<yy[controlinputcolumn];i++)

for (j=0;j<n;j++){

if ( num[controlinputcolumn][i] == compress[controloutputcolumn][j])

{

samesame++;

}

}

if (samesame == yy[controlinputcolumn])

{

mark=1;

samesame=0;

controlinputcolumn++;

controloutputcolumn = 0;

}

if (mark == 0)

{

if (yy[controlinputcolumn] - samesame <= spaceleft[controloutputcolumn])

{

for (i=0;i<yy[controlinputcolumn];i++)

{

flag = 1;

for (j=0;j<n;j++)

{

if (flag != 0)

if (num[controlinputcolumn][i] != compress[controloutputcolumn][j])

{

if (compress[controloutputcolumn][j] == 0)

{

compress[controloutputcolumn][j] = num[controlinputcolumn][i];

flag = 0;

spaceleft[controloutputcolumn]--;

}

}

else

{

flag = 0;

}

}

}

list--;

controlinputcolumn++;

samesame = 0;

controloutputcolumn = 0;

}

else

{

controloutputcolumn++;

if (size<controloutputcolumn)

size = controloutputcolumn;

samesame = 0;

}

}

}

//write the compressed data array into the buckets.out file

for (i=0;i<=size;i++)

{

for (j=0;j<n;j++)

fprintf(fptrindex,"%d ",compress[i][j]);

fprintf(fptrindex,"\n");

}

//mapping

for(i=0;i<=totalrow;i++)

{

map1[i]=i;

map2[i]=new\_mapping(i,size);

}

//write the mapped data into the mapping.out file

for(i=0;i<=totalrow;i++)

{

fprintf(fptroutput,"row=%d",map1[i]);

fprintf(fptroutput,"---->goto=%d--",map2[i]);

for(h=0;h<n;h++)

{

fprintf(fptroutput,"%d",newmapping[i][h]);

}

fprintf(fptroutput,"\n");

}

//output the result on the screen

if(fprintf(fptroutput,"\n")==1)

print\_result(size+1);

//close file completely

fclose(fptrinput);

fclose(fptroutput);

fclose(fptrindex);

return 0;

}

Compilation:

]gcc -o hw7 hw7.c

Execution:

./hw7

Output:

Successfully Done

There are 15 buckets.

[FILE:bucket.out]

8582 9020 8973 6503 6504 6505 6506 8781 8821 8938 5994 8812 6599 6739 6740 6741 7448 7449 7450 7451 7452 7453 7454 7455 8761 8853 5453 5518 8972 8848 8760 8849 8820 8810 5454 8852 5731 6598 5523 8765

5342 5343 5344 5345 5346 5402 5456 5457 5458 5459 5460 5461 5462 5463 5524 5525 5526 5527 5528 5529 5530 5531 5532 5533 5534 5535 5536 5875 5876 5907 5984 5985 8212 8582 8781 8938 8973 9020 5455 8811

8851 5519 5520 5521 5522 9019 8850 5874 5871 5451 5452 5517 9026 8976 8863 5592 5593 5594 5595 5413 5596 8217 9025 8975 7472 7473 7552 7553 8763 8764 8862 8942 5929 6195 8824 8861 6513 5580 5480 8769

5353 5354 5355 5412 5481 5482 5483 5484 5485 5486 5582 5583 5584 5585 5586 5587 5588 5589 5590 5591 7960 8226 8770 8942 8975 9025 6514 7471 5581 5873 8224 9024 8974 8941 8815 5928 6600 9022 8940 5552

6194 6508 6509 6510 6511 6512 8224 8823 8941 8974 9024 7462 7463 7464 7465 7466 7467 7468 7469 7470 7548 7549 7550 7551 8735 8736 8860 7458 7459 7547 8856 8940 9022 5405 5466 5467 5550 5551 8214 5549

5351 5352 5408 5409 5410 5411 5472 5473 5474 5475 5476 5477 5478 5479 5567 5568 5569 5570 5571 5572 5573 5574 5575 5576 5577 5578 5579 5733 5865 5879 8216 8224 8768 8941 8974 9024 7460 8734 8215 5468

7458 7459 7547 8718 8856 8940 9022 8822 9023 8857 5406 5407 5553 5554 5469 5555 5872 5878 7461 8762 8858 5349 5558 5556 5557 8859 5561 5560 5559 5350 8855 8939 5464 5546 5347 5545 5465 5348 5547 5548

7456 7457 6507 5542 5541 5404 5543 5544 8213 9021 8854 5540 5877 8766 8813 5403 5537 5538 5539 9027 5357 5488 5598 5599 5600 5880 8219 7475 8866 6515 6516 5358 5601 7474 8865 8816 5414 5597 5988 8864

5487 8864 5356 8218 9028 6742 6743 7476 7477 7478 7554 7555 7556 7557 7558 7559 8867 8943 8977 5602 5359 5603 5604 8771 5360 5489 8772 8817 5490 5607 5608 5609 5610 5611 5361 5415 5605 5606 9029 8869

5362 8869 9029 5363 5493 5615 6196 5616 5617 8774 5868 8868 5613 5614 8773 5492 8825 5612 5491 8583 8978 9030 6744 6759 7482 8872 8826 5494 5627 5628 6745 5495 8945 7479 7480 7481 7560 8871 8818 8944

5416 5624 5625 5626 7479 7480 7481 7560 8583 8871 8945 9030 5621 5622 5623 5620 8944 8870 5619 5618 5930 8846 8937 9031 6746 6747 7483 7484 7485 7486 7561 7562 8873 8946 8979 5933 5995 5931 8819 8876

5364 5365 5366 5367 5368 5498 5499 5500 5501 5502 5503 5633 5634 5635 5636 5637 5638 5639 5640 5641 5642 5643 5734 5881 5986 8775 8846 8937 8946 8979 9031 5417 5496 5497 5629 5630 5631 5632 8719 8827

5372 5507 5654 8876 6760 8877 5655 5866 8947 6749 7489 5373 5508 5509 8778 7490 7564 8878 8741 5510 5511 7488 8875 5371 8777 5652 5653 8776 8828 5883 5370 5934 9032 6748 7487 8874 7563 5869 8584 9033

5369 5418 5504 5644 5645 5646 5647 5648 6748 7487 8874 9032 5419 5506 5651 5882 7563 5505 5649 5650 5869 6750 7493 8584 8949 9033 8847 6518 8948 6517 7491 7492 7565 8879 0 0 0 0 0 0

5376 5515 5516 5667 5668 5669 5670 5671 5672 5673 5674 5935 8221 8584 8780 8949 9033 5374 5375 5512 5513 5514 5656 5657 5658 5659 5660 5661 5662 5663 5664 5665 5666 7491 7492 7565 8220 8779 8879 8948

[FILE:mapping.out]

row=0---->goto=0--1100000000000000000000000000000000000000

row=1---->goto=0--1110000000000000000000000000000000000000

row=2---->goto=0--1111111111000000000000000000000000000000

row=3---->goto=0--1110000101100000000000000000000000000000

row=4---->goto=0--1110000101000000000000000000000000000000

row=5---->goto=1--1111111111111111111111111111111111111100

row=6---->goto=0--1110000101000000000000000000000000000000

row=7---->goto=0--1110000101010000000000000000000000000000

row=8---->goto=0--1110000101000000000000000000000000000000

row=9---->goto=0--1110000101001000000000000000000000000000

row=10---->goto=0--1110000101000111111111111100000000000000

row=11---->goto=0--1100000000000000000000000000000000000000

row=12---->goto=0--0000000000000000000000000010000000000000

row=13---->goto=0--0000000000000000000000000001000000000000

row=14---->goto=0--0000000000000000000000000000100000000000

row=15---->goto=0--0000000000000000000000000000110000000000

row=16---->goto=0--0000000000000000000000000000100000000000

row=17---->goto=0--0000000000000000000000000000001100000000

row=18---->goto=0--0000000000000000000000000000001110000000

row=19---->goto=0--0000000000000000000000000000001111000000

row=20---->goto=0--0000000000000000000000000000001111100000

row=21---->goto=0--0000000000000000000000000000000000010000

row=22---->goto=0--0000000000000000000000000000000000001000

row=23---->goto=0--0000000000000000000000000000000000000100

row=24---->goto=0--0000000000000000000000000000000000000110

row=25---->goto=0--0000000000000000000000000000000000000100

row=26---->goto=0--0000000000000000000000000000000000000101

row=27---->goto=0--0000000000000000000000000000000000000100

row=28---->goto=1--0000000000000000000000000000000000000010

row=29---->goto=1--0000000000000000000000000000000000000001

row=30---->goto=2--1000000000000000000000000000000000000000

row=31---->goto=2--1111100000000000000000000000000000000000

row=32---->goto=2--1000000000000000000000000000000000000000

row=33---->goto=2--0000010000000000000000000000000000000000

row=34---->goto=2--0000011000000000000000000000000000000000

row=35---->goto=2--0000011100000000000000000000000000000000

row=36---->goto=2--0000011000000000000000000000000000000000

row=37---->goto=2--0000010000000000000000000000000000000000

row=38---->goto=2--0000000010000000000000000000000000000000

row=39---->goto=2--0000000001000000000000000000000000000000

row=40---->goto=2--0000000000100000000000000000000000000000

row=41---->goto=2--0000000000010000000000000000000000000000

row=42---->goto=2--0000000000001000000000000000000000000000

row=43---->goto=2--0000000000001100000000000000000000000000

row=44---->goto=2--0000000000001110000000000000000000000000

row=45---->goto=2--0000000000001111100000000000000000000000

row=46---->goto=2--0000000000001110000000000000000000000000

row=47---->goto=2--0000000000001110011000000000000000000000

row=48---->goto=2--0000000000001110000000000000000000000000

row=49---->goto=2--0000000000001110000111000000000000000000

row=50---->goto=2--0000000000001110000000000000000000000000

row=51---->goto=2--0000000000001100000000000000000000000000

row=52---->goto=2--0000000000001000000000000000000000000000

row=53---->goto=2--0000000000000000000000100000000000000000

row=54---->goto=2--0000000000000000000000110000000000000000

row=55---->goto=2--0000000000000000000000111111111100000000

row=56---->goto=2--0000000000000000000000110000000100000000

row=57---->goto=3--1111111111111111111111111100000000000000

row=58---->goto=2--0000000000000000000000110000000110000000

row=59---->goto=2--0000000000000000000000110000000100000000

row=60---->goto=2--0000000000000000000000110000000101100000

row=61---->goto=2--0000000000000000000000110000000100000000

row=62---->goto=2--0000000000000000000000100000000000000000

row=63---->goto=2--0000000000000000000000000000000000010000

row=64---->goto=2--0000000000000000000000000000000000011000

row=65---->goto=2--0000000000000000000000000000000000011100

row=66---->goto=2--0000000000000000000000000000000000011000

row=67---->goto=2--0000000000000000000000000000000000011011

row=68---->goto=2--0000000000000000000000000000000000011000

row=69---->goto=3--0000000000000000000000000011000000000000

row=70---->goto=3--0000000000000000000000000011110000000000

row=71---->goto=3--0000000000000000000000000011000000000000

row=72---->goto=3--0000000000000000000000000001000000000000

row=73---->goto=3--0000000000000000000000000000001100000000

row=74---->goto=3--0000000000000000000000000000001110000000

row=75---->goto=4--1111111111100000000000000000000000000000

row=76---->goto=3--0000000000000000000000000000001111000000

row=77---->goto=3--0000000000000000000000000000001111100000

row=78---->goto=3--0000000000000000000000000000001111000000

row=79---->goto=3--0000000000000000000000000000001111010000

row=80---->goto=5--1111111111111111111111111111111111110000

row=81---->goto=3--0000000000000000000000000000001111000000

row=82---->goto=3--0000000000000000000000000000001111001000

row=83---->goto=4--0000001011111111111111111110000000000000

row=84---->goto=3--0000000000000000000000000000000000000100

row=85---->goto=4--0000000000000000000000000001111110000000

row=86---->goto=4--0000000000000000000000000001111111111110

row=87---->goto=4--0000000000000000000000000001111110000000

row=88---->goto=4--0000000000000000000000000001111110000001

row=89---->goto=4--0000000000000000000000000001111110000000

row=90---->goto=4--0000000000000000000000000001111110000000

row=91---->goto=4--0000000000000000000000000001111110000000

row=92---->goto=4--0000000000000000000000000001111110000000

row=93---->goto=3--0000000000000000000000000000000000000110

row=94---->goto=3--0000000000000000000000000000000000000100

row=95---->goto=5--0000000000000000000000000000000000001100

row=96---->goto=5--0000000000000000000000000000000000001110

row=97---->goto=5--0000000000000000000000000000000000001100

row=98---->goto=3--0000000000000000000000000000000000000001

row=99---->goto=5--0000000000000000000000000000000000000001

row=100---->goto=6--0000000010000000000000000000000000000000

row=101---->goto=6--0000000011000000000000000000000000000000

row=102---->goto=6--0000000011111100000000000000000000000000

row=103---->goto=6--0000000011000011110000000000000000000000

row=104---->goto=6--0000000011000000000000000000000000000000

row=105---->goto=6--0000000010000000000000000000000000000000

row=106---->goto=6--0000000010000000001110000000000000000000

row=107---->goto=6--0000000010000000001111100000000000000000

row=108---->goto=6--0000000010000000001110000000000000000000

row=109---->goto=6--0000000010000000001110011000000000000000

row=110---->goto=6--0000000010000000001110000000000000000000

row=111---->goto=6--0000000010000000000000000000000000000000

row=112---->goto=6--0000000010000000000000000100000000000000

row=113---->goto=6--0000000010000000000000000110000000000000

row=114---->goto=6--0000000010000000000000000100000000000000

row=115---->goto=6--0000000010000000000000000101000000000000

row=116---->goto=6--0000000010000000000000000100000000000000

row=117---->goto=6--0000000010000000000000000100100000000000

row=118---->goto=6--0000000010000000000000000100000000000000

row=119---->goto=6--0000000010000000000000000100010000000000

row=120---->goto=6--0000000010000000000000000100000000000000

row=121---->goto=6--0000000010000000000000000000000000000000

row=122---->goto=6--0000000000000000000000000000001100000000

row=123---->goto=6--0000000000000000000000000000001111000000

row=124---->goto=6--0000000000000000000000000000001100000000

row=125---->goto=6--0000000000000000000000000000001100110000

row=126---->goto=6--0000000000000000000000000000001100000000

row=127---->goto=6--0000000000000000000000000000000100000000

row=128---->goto=6--0000000000000000000000000000000100001000

row=129---->goto=6--0000000000000000000000000000000100000000

row=130---->goto=6--0000000000000000000000000000000100000111

row=131---->goto=6--0000000000000000000000000000000100000000

row=132---->goto=7--1100000000000000000000000000000000000000

row=133---->goto=7--1110000000000000000000000000000000000000

row=134---->goto=7--1111000000000000000000000000000000000000

row=135---->goto=7--1110000000000000000000000000000000000000

row=136---->goto=7--1110100000000000000000000000000000000000

row=137---->goto=7--1110000000000000000000000000000000000000

row=138---->goto=7--1110010000000000000000000000000000000000

row=139---->goto=7--1110000000000000000000000000000000000000

row=140---->goto=7--1110001110000000000000000000000000000000

row=141---->goto=7--1110000000000000000000000000000000000000

row=142---->goto=7--0000000001000000000000000000000000000000

row=143---->goto=7--0000000001100000000000000000000000000000

row=144---->goto=7--0000000001110000000000000000000000000000

row=145---->goto=7--0000000001100000000000000000000000000000

row=146---->goto=7--0000000001101000000000000000000000000000

row=147---->goto=7--0000000001100000000000000000000000000000

row=148---->goto=7--0000000001100100000000000000000000000000

row=149---->goto=7--0000000001100000000000000000000000000000

row=150---->goto=7--0000000001100010000000000000000000000000

row=151---->goto=7--0000000001000000000000000000000000000000

row=152---->goto=7--0000000001000001000000000000000000000000

row=153---->goto=7--0000000001000000000000000000000000000000

row=154---->goto=7--0000000001000000100000000000000000000000

row=155---->goto=7--0000000001000000000000000000000000000000

row=156---->goto=7--0000000001000000011000000000000000000000

row=157---->goto=7--0000000001000000000000000000000000000000

row=158---->goto=7--0000000000000000000100000000000000000000

row=159---->goto=7--0000000000000000000111111110000000000000

row=160---->goto=7--0000000000000000000100000000000000000000

row=161---->goto=7--0000000000000000000000000001100000000000

row=162---->goto=7--0000000000000000000000000001111000000000

row=163---->goto=7--0000000000000000000000000001111110000000

row=164---->goto=7--0000000000000000000000000001111000000000

row=165---->goto=7--0000000000000000000000000001100000000000

row=166---->goto=7--0000000000000000000000000000000001100000

row=167---->goto=7--0000000000000000000000000000000001110000

row=168---->goto=7--0000000000000000000000000000000001111110

row=169---->goto=7--0000000000000000000000000000000001100000

row=170---->goto=7--0000000000000000000000000000000000000001

row=171---->goto=8--1100000000000000000000000000000000000000

row=172---->goto=7--0000000000000000000000000000000000000001

row=173---->goto=8--0111000000000000000000000000000000000000

row=174---->goto=7--0000000000000000000000000000000000000001

row=175---->goto=8--0000100000000000000000000000000000000000

row=176---->goto=8--0000111111111111111000000000000000000000

row=177---->goto=8--0000100000000000011000000000000000000000

row=178---->goto=8--0000100000000000011100000000000000000000

row=179---->goto=8--0000100000000000011000000000000000000000

row=180---->goto=8--0000100000000000011010000000000000000000

row=181---->goto=8--0000100000000000011000000000000000000000

row=182---->goto=8--0000100000000000011001100000000000000000

row=183---->goto=8--0000100000000000011000000000000000000000

row=184---->goto=8--0000100000000000011000010000000000000000

row=185---->goto=8--0000100000000000011000000000000000000000

row=186---->goto=8--0000100000000000011000001110000000000000

row=187---->goto=8--0000100000000000011000000000000000000000

row=188---->goto=8--0000100000000000011000000001000000000000

row=189---->goto=8--0000100000000000011000000000000000000000

row=190---->goto=8--0000100000000000011000000000111111000000

row=191---->goto=8--0000100000000000011000000000000000000000

row=192---->goto=8--0000100000000000011000000000000000111100

row=193---->goto=8--0000100000000000011000000000000000000000

row=194---->goto=8--0000100000000000001000000000000000000000

row=195---->goto=8--0000100000000000000000000000000000000000

row=196---->goto=8--0000000000000000000000000000000000000010

row=197---->goto=8--0000000000000000000000000000000000000011

row=198---->goto=9--1110000000000000000000000000000000000000

row=199---->goto=8--0000000000000000000000000000000000000011

row=200---->goto=9--0111110000000000000000000000000000000000

row=201---->goto=8--0000000000000000000000000000000000000011

row=202---->goto=9--0110001000000000000000000000000000000000

row=203---->goto=9--0110001111000000000000000000000000000000

row=204---->goto=9--0110001000000000000000000000000000000000

row=205---->goto=9--0110001000100000000000000000000000000000

row=206---->goto=9--0110001000000000000000000000000000000000

row=207---->goto=8--0000000000000000000000000000000000000011

row=208---->goto=8--0000000000000000000000000000000000000010

row=209---->goto=9--0010000000010000000000000000000000000000

row=210---->goto=9--0010000000011000000000000000000000000000

row=211---->goto=9--0010000000010000000000000000000000000000

row=212---->goto=9--0010000000010100000000000000000000000000

row=213---->goto=9--0010000000010000000000000000000000000000

row=214---->goto=9--0010000000010010000000000000000000000000

row=215---->goto=9--0010000000010000000000000000000000000000

row=216---->goto=9--0010000000010001000000000000000000000000

row=217---->goto=9--0010000000010000000000000000000000000000

row=218---->goto=9--0010000000010000100000000000000000000000

row=219---->goto=9--0010000000010000110000000000000000000000

row=220---->goto=9--0010000000010000100000000000000000000000

row=221---->goto=9--0010000000010000101000000000000000000000

row=222---->goto=9--0010000000010000100000000000000000000000

row=223---->goto=8--0000000000000000000000000000000000000010

row=224---->goto=9--0000000000000000000111000000000000000000

row=225---->goto=9--0000000000000000000111111100000000000000

row=226---->goto=9--0000000000000000000111111110000000000000

row=227---->goto=9--0000000000000000000111111100000000000000

row=228---->goto=9--0000000000000000000111111101110000000000

row=229---->goto=9--0000000000000000000111111100000000000000

row=230---->goto=9--0000000000000000000111000000000000000000

row=231---->goto=9--0000000000000000000101000000000000000000

row=232---->goto=9--0000000000000000000101000000001000000000

row=233---->goto=9--0000000000000000000101000000001100000000

row=234---->goto=9--0000000000000000000101000000001000000000

row=235---->goto=9--0000000000000000000101000000000000000000

row=236---->goto=9--0000000000000000000101000000000010000000

row=237---->goto=9--0000000000000000000101000000000011111100

row=238---->goto=10--1111111111110000000000000000000000000000

row=239---->goto=9--0000000000000000000101000000000011111100

row=240---->goto=10--0000111111111110000000000000000000000000

row=241---->goto=9--0000000000000000000101000000000011111100

row=242---->goto=9--0000000000000000000101000000000000000000

row=243---->goto=9--0000000000000000000000000000000000000010

row=244---->goto=9--0000000000000000000000000000000000000001

row=245---->goto=10--0000000000000001100000000000000000000000

row=246---->goto=9--0000000000000000000000000000000000000001

row=247---->goto=10--0000000000000000010000000000000000000000

row=248---->goto=10--0000000000000000011000000000000000000000

row=249---->goto=10--0000000000000000010000000000000000000000

row=250---->goto=10--0000000000000000010100000000000000000000

row=251---->goto=10--0000000000000000010000000000000000000000

row=252---->goto=10--0000000000000000010010000000000000000000

row=253---->goto=10--0000000000000000010000000000000000000000

row=254---->goto=10--0000000000000000000001110000000000000000

row=255---->goto=10--0000000000000000000001111111111111100000

row=256---->goto=10--0000000000000000000001110000000001100000

row=257---->goto=10--0000000000000000000001110000000001111000

row=258---->goto=10--0000000000000000000001110000000001100000

row=259---->goto=11--1111111111111111111111111111111000000000

row=260---->goto=10--0000000000000000000001110000000001100100

row=261---->goto=10--0000000000000000000001110000000001100000

row=262---->goto=11--0000000000000000000000000011111111111100

row=263---->goto=10--0000000000000000000001110000000001100000

row=264---->goto=10--0000000000000000000001110000000001100010

row=265---->goto=11--0000000000000000000000000011111000000011

row=266---->goto=10--0000000000000000000001110000000000100000

row=267---->goto=10--0000000000000000000001110000000000000000

row=268---->goto=10--0000000000000000000000000000000000000001

row=269---->goto=12--1111000000000000000000000000000000000000

row=270---->goto=10--0000000000000000000000000000000000000001

row=271---->goto=12--0000110000000000000000000000000000000000

row=272---->goto=12--0000111000000000000000000000000000000000

row=273---->goto=12--0000110000000000000000000000000000000000

row=274---->goto=12--0000110100000000000000000000000000000000

row=275---->goto=12--0000110000000000000000000000000000000000

row=276---->goto=12--0000000010000000000000000000000000000000

row=277---->goto=12--0000000011100000000000000000000000000000

row=278---->goto=12--0000000011110000000000000000000000000000

row=279---->goto=12--0000000011100000000000000000000000000000

row=280---->goto=12--0000000011101000000000000000000000000000

row=281---->goto=12--0000000011100000000000000000000000000000

row=282---->goto=12--0000000011100110000000000000000000000000

row=283---->goto=12--0000000011100000000000000000000000000000

row=284---->goto=12--0000000000000001110000000000000000000000

row=285---->goto=12--0000000000000001111000000000000000000000

row=286---->goto=12--0000000000000001111100000000000000000000

row=287---->goto=12--0000000000000001111000000000000000000000

row=288---->goto=12--0000000000000001111010000000000000000000

row=289---->goto=12--0000000000000001111000000000000000000000

row=290---->goto=12--0000000000000000000001100000000000000000

row=291---->goto=12--0000000000000000000001111000000000000000

row=292---->goto=12--0000000000000000000001100000000000000000

row=293---->goto=12--0000000000000000000001100111000000000000

row=294---->goto=12--0000000000000000000001100000000000000000

row=295---->goto=12--0000000000000000000001100000100000000000

row=296---->goto=12--0000000000000000000001100000110000000000

row=297---->goto=12--0000000000000000000001100000100000000000

row=298---->goto=12--0000000000000000000001100000101100000000

row=299---->goto=12--0000000000000000000001100000100000000000

row=300---->goto=12--0000000000000000000000000000000010000000

row=301---->goto=12--0000000000000000000000000000000011110000

row=302---->goto=13--1111111111110000000000000000000000000000

row=303---->goto=12--0000000000000000000000000000000011110000

row=304---->goto=12--0000000000000000000000000000000010001000

row=305---->goto=13--0000000000011111100000000000000000000000

row=306---->goto=12--0000000000000000000000000000000010001000

row=307---->goto=12--0000000000000000000000000000000010001100

row=308---->goto=13--0000000000010000111110000000000000000000

row=309---->goto=12--0000000000000000000000000000000010000000

row=310---->goto=12--0000000000000000000000000000000000000011

row=311---->goto=13--0000000000000000000001111100000000000000

row=312---->goto=12--0000000000000000000000000000000000000011

row=313---->goto=12--0000000000000000000000000000000000000011

row=314---->goto=14--1111111111111111100000000000000000000000

row=315---->goto=12--0000000000000000000000000000000000000011

row=316---->goto=13--0000000000000000000000011101000000000000

row=317---->goto=12--0000000000000000000000000000000000000011

row=318---->goto=12--0000000000000000000000000000000000000011

row=319---->goto=13--0000000000000000000000010100111111000000

row=320---->goto=13--0000000000000000000000010100101111000000

row=321---->goto=14--0000000000000100111111111111111111111111

row=322---->goto=13--0000000000000000000000010100101111000000

row=323---->goto=12--0000000000000000000000000000000000000011

Error message:

hw7.c:11:8: error: expected ‘=’, ‘,’, ‘;’, ‘asm’ or ‘\_\_attrib ute\_\_’ before ‘<’ token

include<stdlib.h>

^

hw7.c:20:1: error: expected ‘=’, ‘,’, ‘;’, ‘asm’ or ‘\_\_attribute\_\_’ before ‘int’

int map2[400];

^

hw7.c: In function ‘main’:

hw7.c:259:3: error: ‘map1’ undeclared (first use in this function)

map1[i]=i;

^

hw7.c:259:3: note: each undeclared identifier is reported only once for each function it appears in

hw7.c:260:3: error: ‘map2’ undeclared (first use in this function)

map2[i]=new\_mapping(i,size);