clc

clear

format compact

disp('Problem: 12')

i=1;

while((mod(i,11)>0)||(sqrt(i)<132))

i = i + 1;

end

fprintf('The required number is %.i\n',i)

disp('Problem: A')

tic;

a = .5;

while(toc<5)

time = toc;

if(time>a)

fprintf('The elapsed time is: %3.2f\n',toc)

a = a + .5;

end

end

Result:

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MAT - While Loops

Problem: 12

The required number is 17424

Problem: A

The elapsed time is: 0.50

The elapsed time is: 1.00

The elapsed time is: 1.50

The elapsed time is: 2.00

The elapsed time is: 2.50

The elapsed time is: 3.00

The elapsed time is: 3.50

The elapsed time is: 4.00

The elapsed time is: 4.50