```
int Factorial(int M)

if (M==0)
 return 1;
else
return M* Factorial(M-1)
```

```
#include <stdio.h>

int Factorial(int n)

int main() {
int N, R, F
printf("Enter your integer: ");
scanf("%d", &N);
for(M=1; R!=0; M++){

F = Factorial(&M)

R = F % (N*N)
}
printf("Wanted number is %d", M);

return 0;
}
```

Dear professor,

I saw what was being asked from me to do for the homework but nevertheless I didn't understand what was asked in HW to do in program. You will see that, (I hope) managed to create a program which finds the least number (M) whose factorial is divisable by N^2. Also, you may see first the recursive f-on I used to find M!. I don't think this is supposed to be the whole homework, but I hope you will at least appreciate this