

# THE **Quest** of the MCM

on  $\pi$  n  $\pi$  M  $\pi$  on  $\pi$  n Mod n

---

B  $\pi$  n y  $\pi$  c  $\pi$   $\pi$  B  $\pi$  d y  $\pi$  n  $\pi$

$\pi$  y y  $\pi$   $\pi$  on  $\pi$  o  $\pi$  M  $\pi$   $\pi$   $\pi$  end  $\pi$  A  $\pi$  c  $\pi$  on **COMAP**  $\pi$  on  $\pi$  o  $\pi$   $\pi$  M  $\pi$   $\pi$  c  
on  $\pi$  n Mod n M M  $\pi$  n n  $\pi$  n  $\pi$  on con  $\pi$  o  $\pi$  nd  $\pi$   $\pi$  d  $\pi$   $\pi$  d  $\pi$  c  $\pi$  o  $\pi$   $\pi$   $\pi$  y o  $\pi$   
d o  $\pi$  n od  $\pi$   $\pi$  n  $\pi$   $\pi$  con  $\pi$  n  $\pi$  nd  $\pi$  dyn  $\pi$

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# 1 What is the MCM?

n. M M . . . on. . . n b o . . . d o . . .

By

- 
- 
- 
- 

Add on

### Contest Rules & Logistics

You

on

Other than the control number, the paper must in no way identify the students, the advisor, or the school.

[www.comap.com/undergraduate/contests/mcm/instructions.php](http://www.comap.com/undergraduate/contests/mcm/instructions.php)

†

## History

... n x .y q o o do . Bo d . . . on . . . y n . M M

---

2000 . on . M n. on

B . . . y . nno . a n . n

## Background Research

Your initial research will be critical in framing the problem. ... M M ny ... R ... y nd ... nd n ... nd ... d n ... L ... ... q ... con ... n od ... o ... o ... nd ... c ... y ... no ...

... n ... o ... d ... "n ... n ... o ... y ... n ... od c ... d ... o ... o ... nd ... conc ... o ... n ... n ... n ... d ... o ... c ... o ... o ... o ... "n ... n ... d ... c ... y ... o ... d ... n ... d ... y ... B ... d ... o ... nd ... on y ... nd ... o ... n ... on ... A ... c ... An ... o ... n ... n ... nd ... d ... y ... Mod ... c









## Stylistic Considerations

... can be seen that flamboyant, obdurate, and ostensibly decorous ... thereby, result in ...

A Novel Approach to... don't ...

... A ...

... no ...



o . . . o . . . c . . . n . . . nd c . . . nc n . . . nd . . . n . . . n . . . d c o . . . y

Citations.

... o ... con ... o ... G. d n. ... R. o. . c n. d o. d  
.o. . n.

Monday: ... .. y nd, y d o . d y

### Thursday: The Contest Starts

... con. o "c y . b . † A . ) . con. o . d .  
[www.comap.com/undergraduate/contests/mcm](http://www.comap.com/undergraduate/contests/mcm) nd [www.mirror.comap.com/mcm](http://www.mirror.comap.com/mcm)

2021年12月31日 资产负债表 附注 二、合并资产负债表

Sunday:

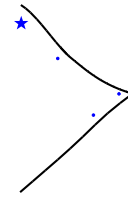
... on ... and ... on ...

Monday:



## Random Ascent Hill Climb

```
y ← random()
for i = 1 to N do
{
  x ← random()
  if f(x) < f(y)
    y ← x
}
```





## 6 Common Failures to Avoid

Don't charge into the contest blindly. Don't rate solutions arbitrarily. Avoid arbitrary or unnecessary assumptions. Avoid modeling everything in one monolithic simulation. Don't pick and compare anecdotal solutions.

**Don't charge into the contest blindly.** Don't charge into the contest blindly. Don't charge into the contest blindly. Don't charge into the contest blindly. Don't charge into the contest blindly.

**Don't rate solutions arbitrarily.** Don't rate solutions arbitrarily. Don't rate solutions arbitrarily. Don't rate solutions arbitrarily. Don't rate solutions arbitrarily.

**Avoid arbitrary or unnecessary assumptions.** Avoid arbitrary or unnecessary assumptions. Avoid arbitrary or unnecessary assumptions. Avoid arbitrary or unnecessary assumptions. Avoid arbitrary or unnecessary assumptions.

**Avoid modeling everything in one monolithic simulation.** Avoid modeling everything in one monolithic simulation. Avoid modeling everything in one monolithic simulation. Avoid modeling everything in one monolithic simulation. Avoid modeling everything in one monolithic simulation.

**Don't pick and compare anecdotal solutions.** Don't pick and compare anecdotal solutions. Don't pick and compare anecdotal solutions. Don't pick and compare anecdotal solutions. Don't pick and compare anecdotal solutions.

## 7 Closing Remarks

... M M... o. o... n... n o... n.y.o... n c... y

BL M B . . . . . Acc . . . . . A . . . . .

n q . . . . . on . . . . . n d o y . . . . . o . . . . . nd g . . . . . n y . . . . .  
g . . . . . o g n o d . . . . . n . . . . . c n . . . . . c y d . . . . . o . . . . . o . . . . . no . . . . . o y  
o d . . . . . n . . . . . n q . . . . . y . . . . . n n c n . . . . . n . . . . . on . . . . . o d  
g . . . . . nd n . . . . . co . . . . . o . . . . . o . . . . . n y no n . . . . . n d n c . . . . . g . . . . . n  
n . . . . . no n c o . . . . . on o . . . . . c . . . . . no c . . . . . n . . . . . n . . . . . o . . . . . n . . . . . n . . . . . n c  
n . . . . . y no . . . . . c . . . . . no c . . . . . o . . . . . n . . . . . n . . . . . o . . . . . o nd n . . . . .

A . . . . . n . . . . . nd . . . . . con . . . . . n . . . . . o . . . . . c . . . . . do n . . . . . g . . . . . x . . . . . o . . . . . nd . . . . . n . . . . . nd . . . . .  
n . . . . . n c . . . . . o . . . . . ce . . . . . o . . . . . n . . . . . co . . . . . . . . . . Mo . . . . . o . . . . . g . . . . . nd . . . . . co . . . . .  
con . . . . . n y o d . . . . . o nd . . . . . o . . . . . o . . . . . y . . . . . o . . . . . o . . . . . n . . . . . nd n . . . . . o . . . . .  
o . . . . . d o o . . . . . c . . . . . o . . . . . co . . . . . d . . . . . g . . . . . n . . . . . o . . . . . d o . . . . .  
c . . . . . n . . . . . nd . . . . . y . . . . . d n n . . . . . o . . . . . n . . . . . A . . . . . g . . . . . n . . . . . c . . . . . n . . . . .

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