Bangladesh Artificial Intelligence Olympiad (Preliminary)

2:07:00

Dashboard

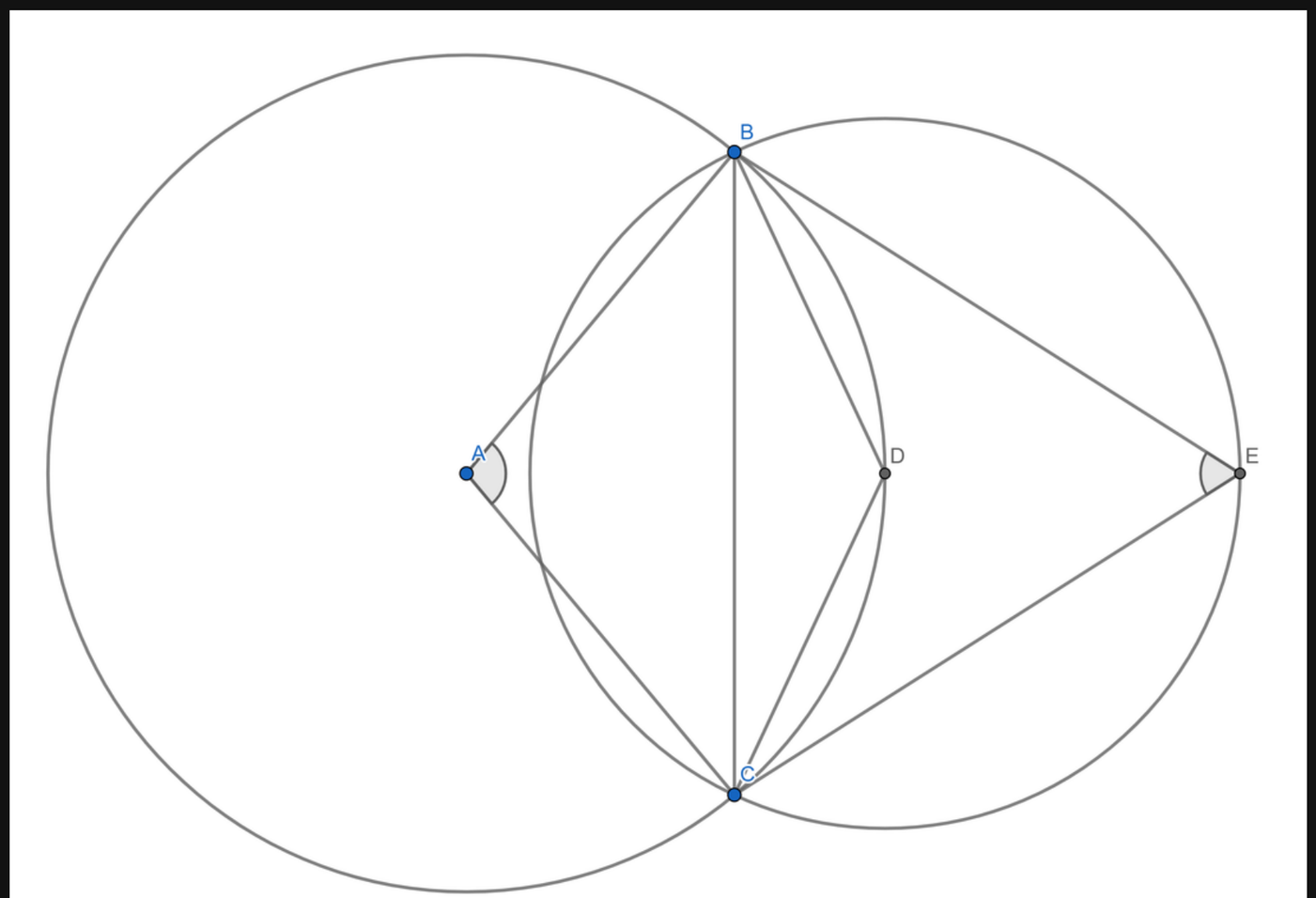
A. Welcome to Bang...
B. Take Angle, Giv...
C. Odd Subset XOR
D. Can you predict...
E. Cycle of life
F. Lost in bracket...
G. Sum in summer
H. I think, theref...

Announcements
Clarifications
Standings
Submissions

Resources

B. Take Angle, Give Angle

Limits 1s, 512 MB



- The circumcircle of $\triangle BEC$ is centered at point D.
- The circumcircle of $\triangle BDC$ is centered at point A.
- The points E and D are at the same side of the line segment BC.
- The points D and A are at the opposite side of the line segment BC.
- In $\triangle BEC$, $\angle BEC = n$ degrees.
- In $\triangle BAC$, $\angle BAC = m$ degrees.

You are given n. You have to give m.

Input

The input contains only one integer n ($45 < n < 90$).

Output

Print only one integer, m. For the constraints given above, it is guaranteed that m is an integer.

Sample

Input	Output
60	120

Submit

Choose a programming language, select your solution file, and click on Submit.

Python Python 3.12

Choose File No fi...osen

Up to 64 kB.

Submit | Open Editor

Clarifications Request

Is m random or do I have to calculate the angle m ...
9m ago

Can you tell me how to do the math?
10m ago

circumcircle meaning in bangla
36m ago