

Teacher's Notes

This is mostly just a pleasant investigation!

But, did any of your students notice the similarity of the patterns at right? #1 looks like #9, #2 looks like #8, etc. ?

Why is this?

Accept any answers.

We've heard -

“Because $1 + 9 = 10$ and $2 + 8 = 10$.”

“Because going clockwise by 3 is like going counterclockwise by 7.”

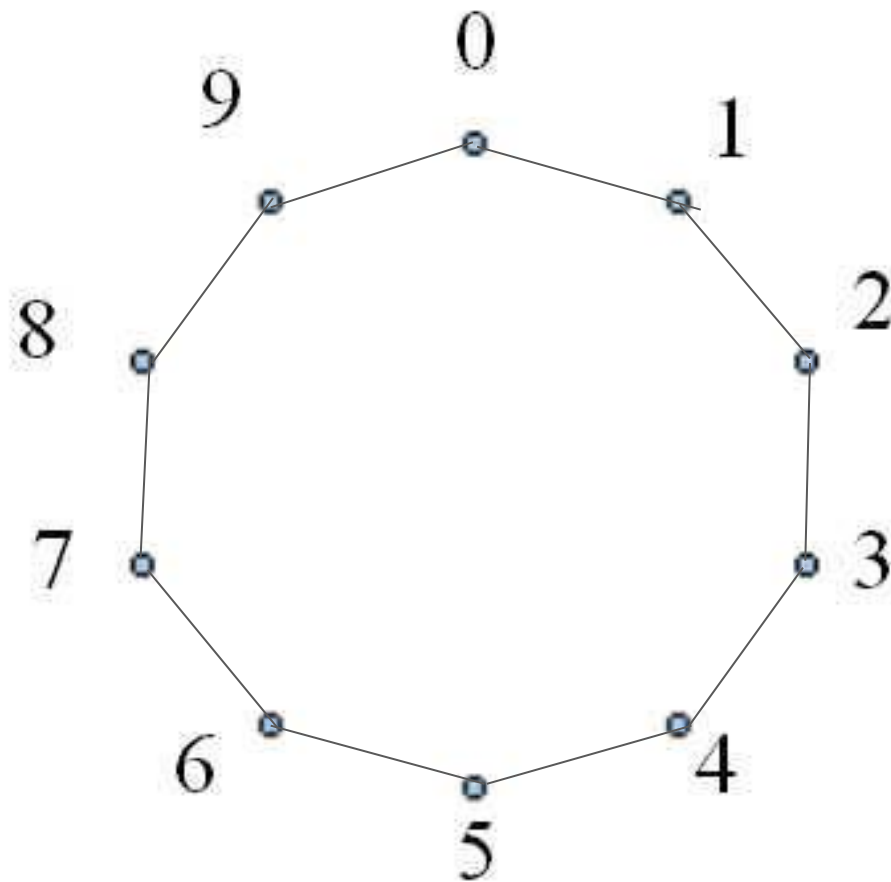
“Because the last digit in the 3s times table goes 0,3,6,9,2,5,8,1,4,7, and the last digit in the 7s times table does the opposite.”

Wow!



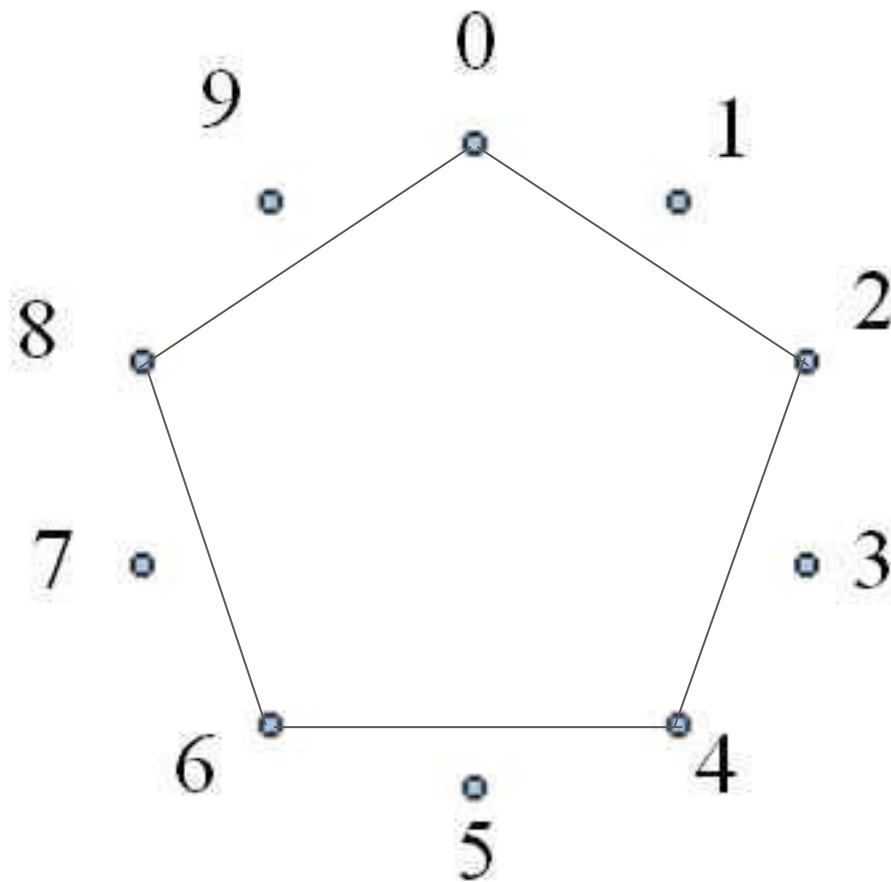
By 1s

Like 9s



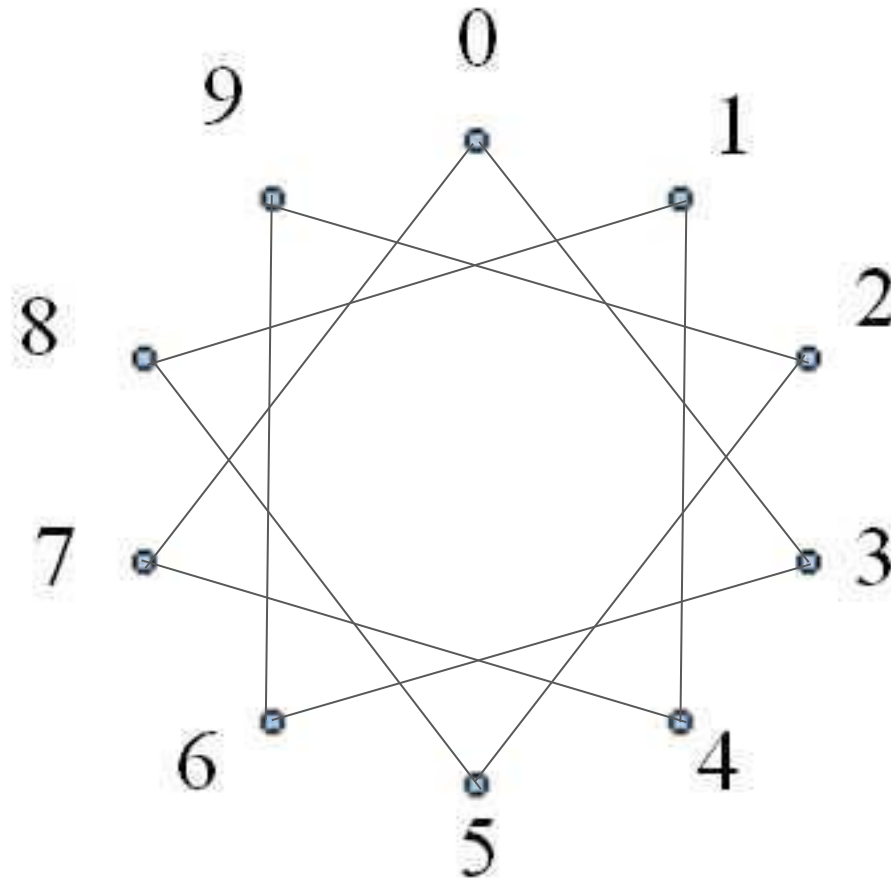
By Twos

Like 8s



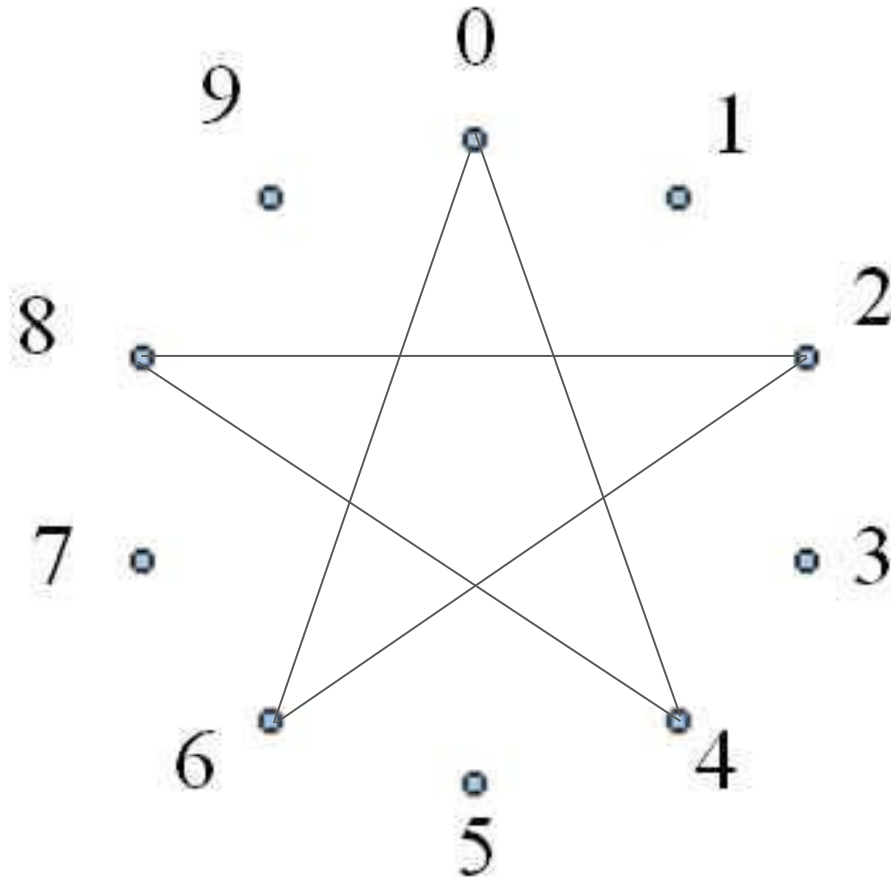
By Threes

Like 7s



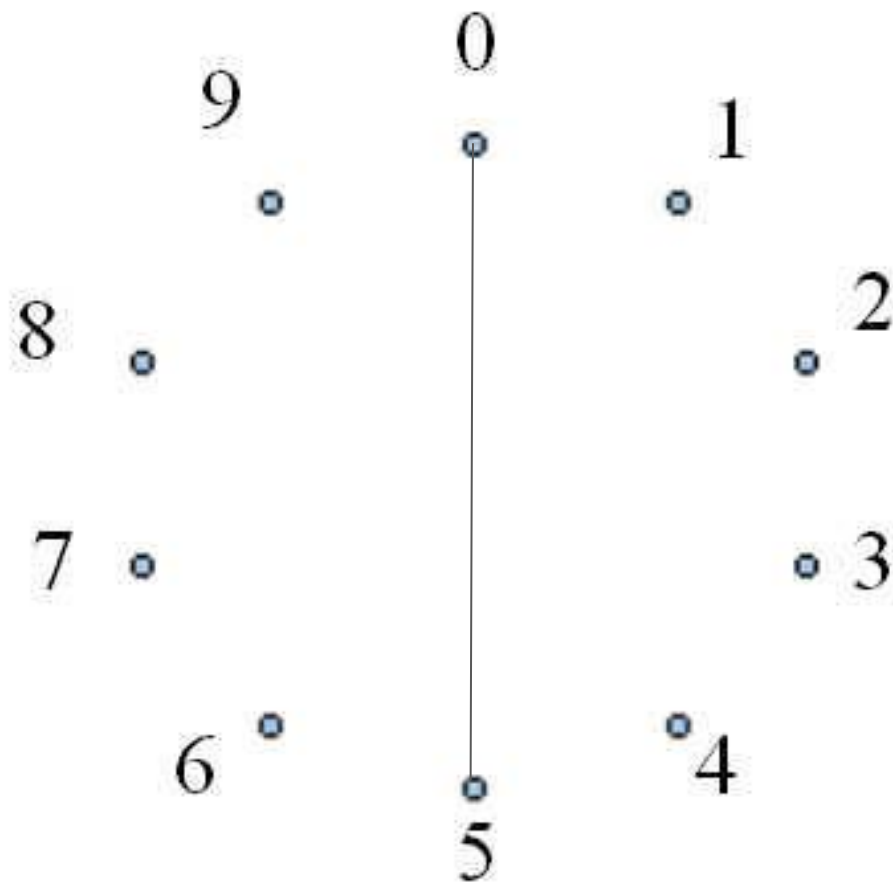
By Fours

Like 6s



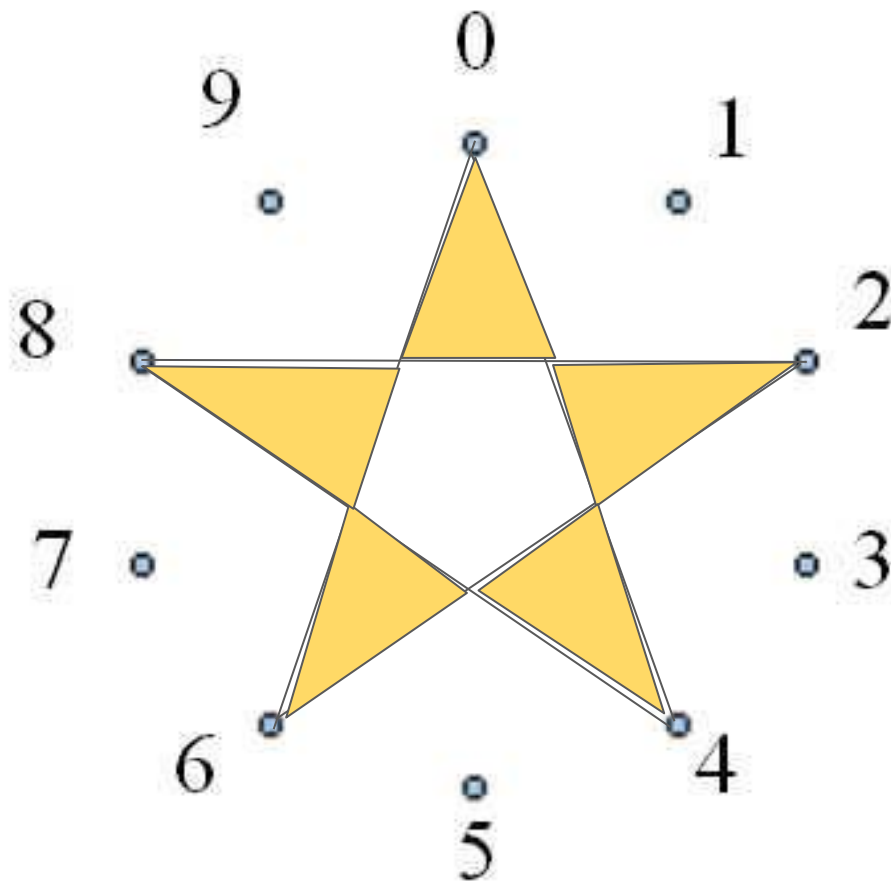
By Fives

Like
???



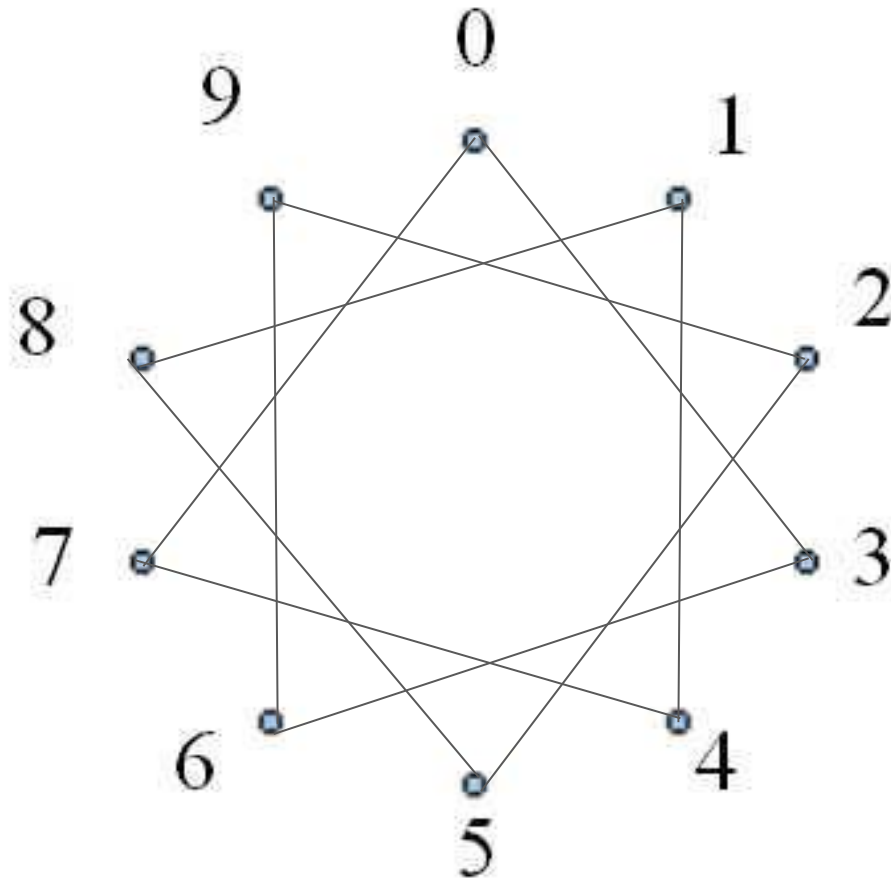
By Sixes

Like 4s



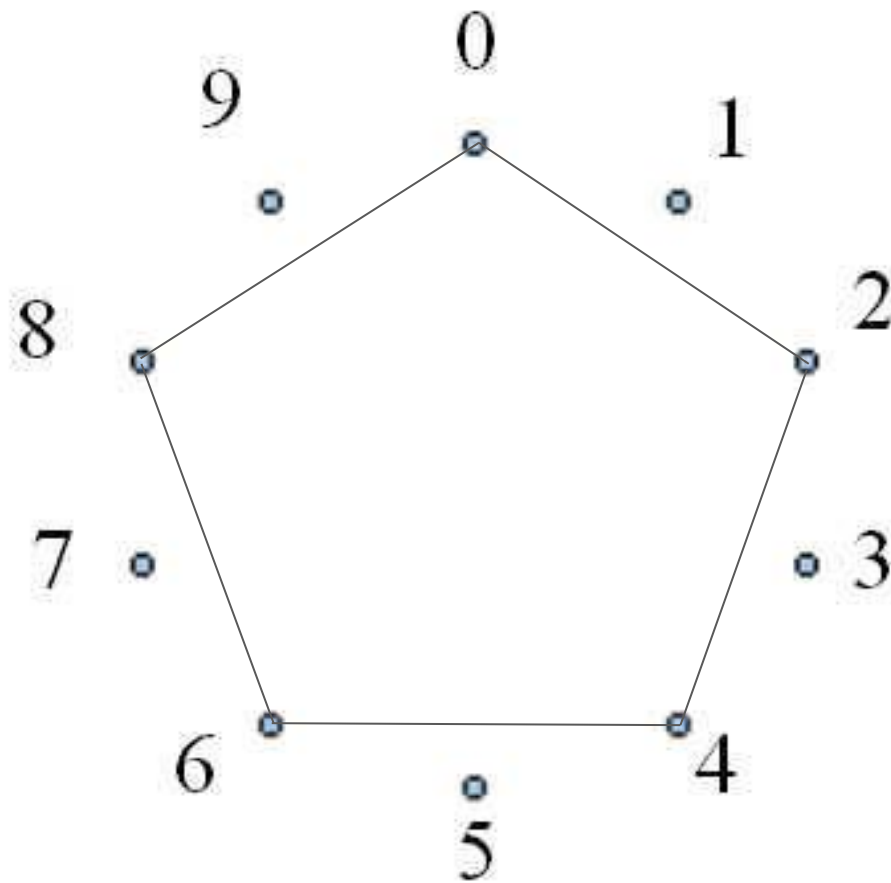
By 7s

Like 3s



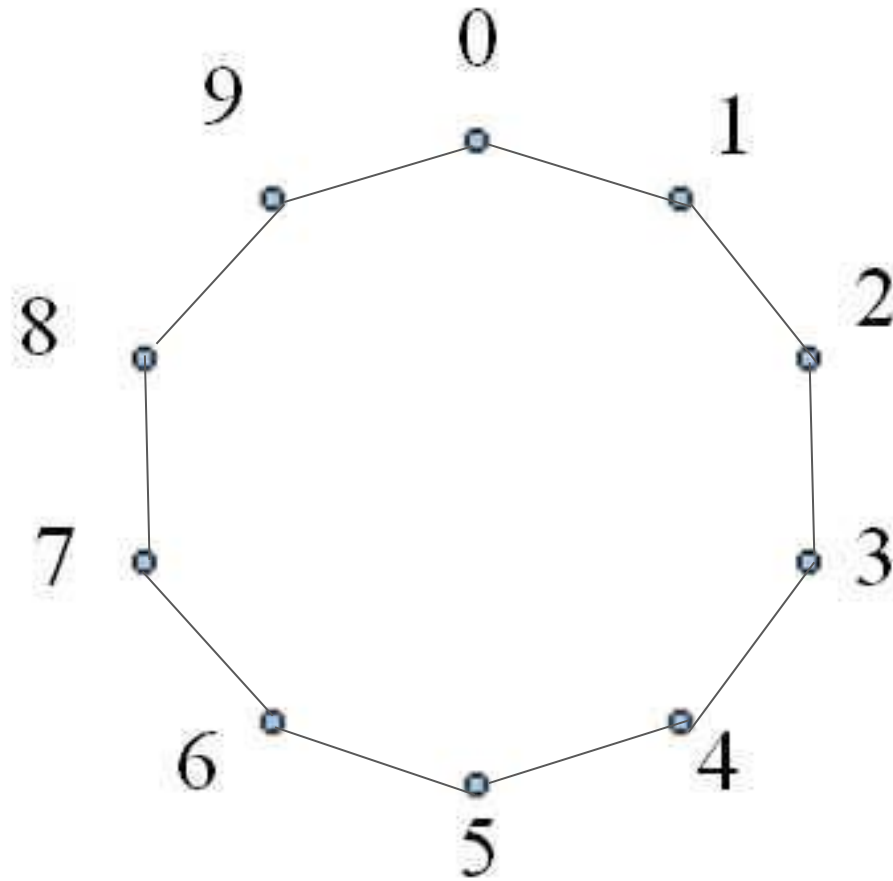
By 8s

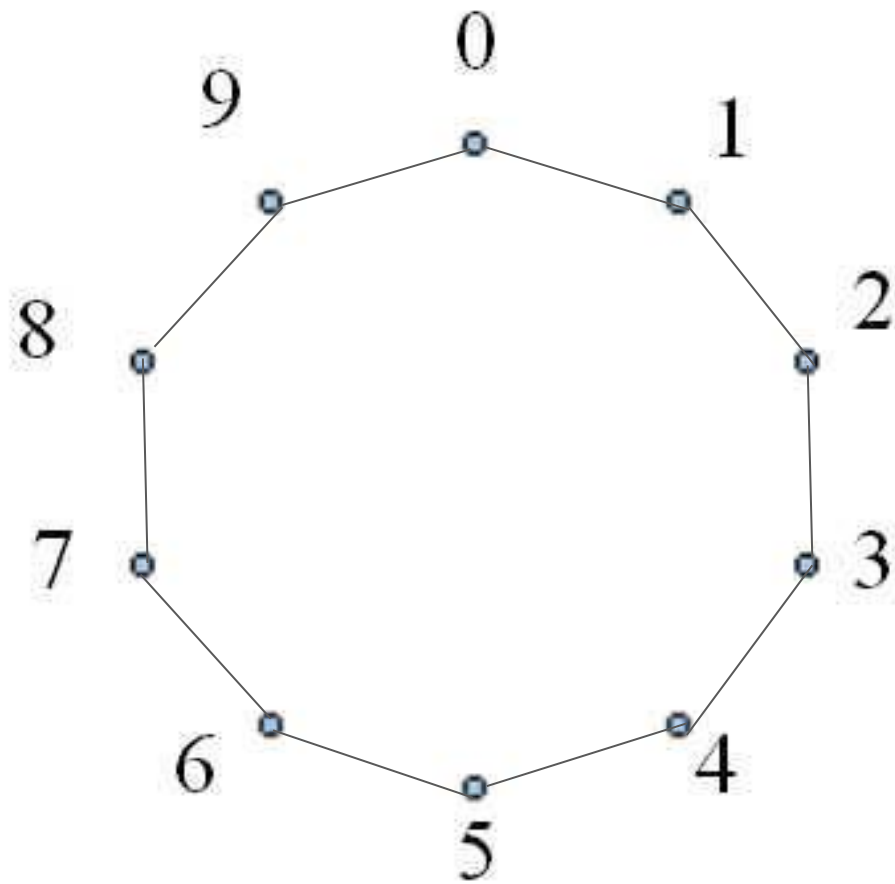
Like 2s



By 9s

Like 1s





By 9s

