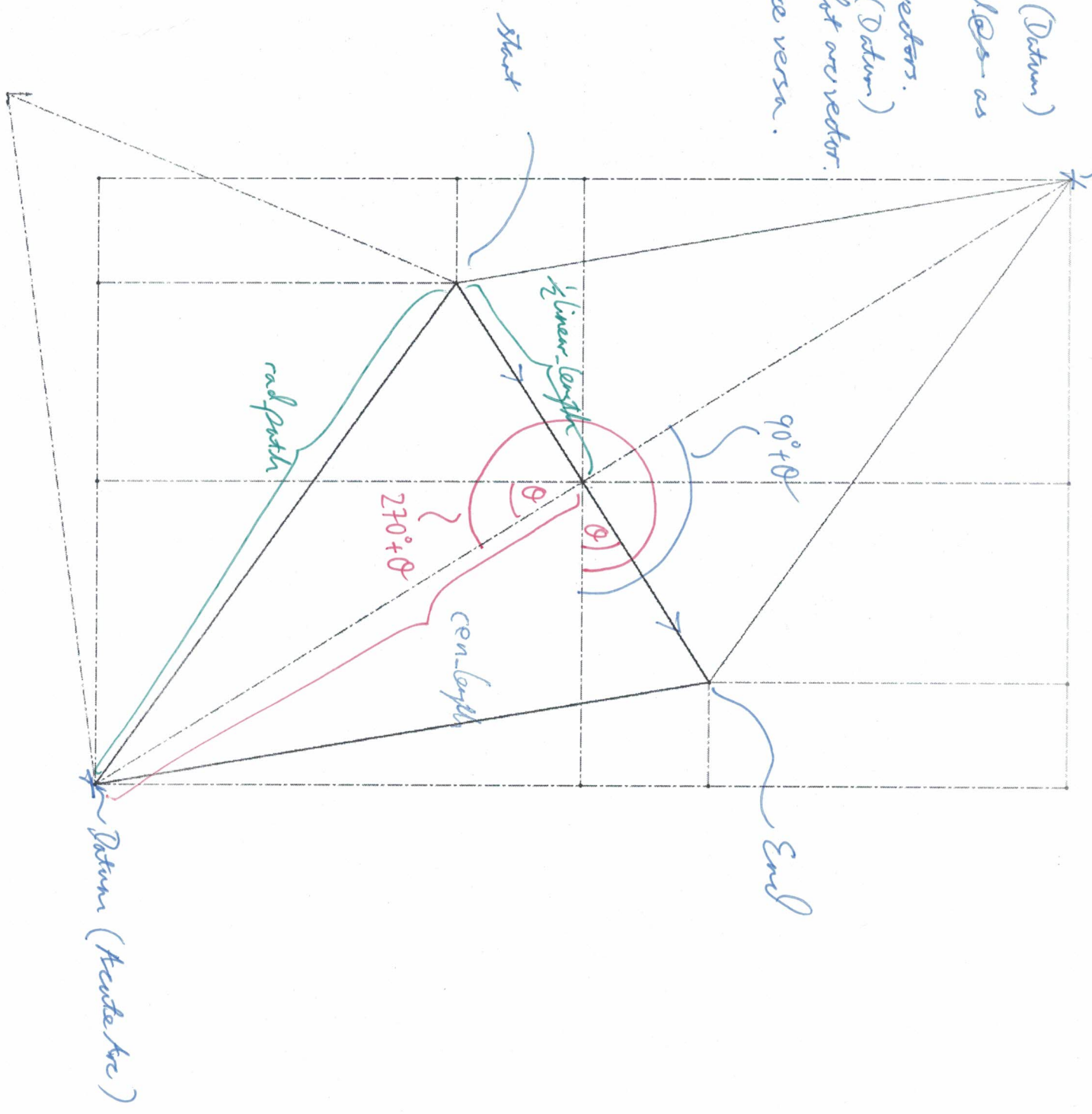


Notes

- Determine Center of Slot Arc (Datum)
- Resolve vectors using centroid \bar{O} s as temporary reference point.
- Then resolve to absolute vectors.
- Acute Arc ($\theta \leq 180^\circ$), Center (Datum) will be on right side of slot arc vector.
- Obtuse ($\theta > 180^\circ$) will be vice versa.

Datum (course arc)



Start

Input:
- start x, y
- end x, y
- stop, wos, dir, name

Corner cases pattern
- first shot flag
- last shot flag

Calculate:
① no. of cats.
② remainder partial cat

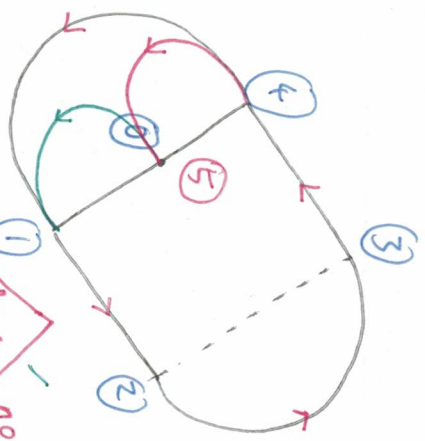
Calculate:
Absolute x, y position
for ①, ②, ③, ④

i = 1?

Calculate:
are from ① or ②.
print G code

Write G code to
position ④ or ① → ①

Write G code to
positions ① → ② → ③ → ④



first shot?

More current cat's path
to ①

Calculate:
④ to ⑤ ①

last shot?

Return end x, end y

Write G code to
positions ① → ② → ③ → ④

Calculate:
are from ④ or ⑤
write ④ → ⑤ G code

i = last?

④ → ① G code

Write G code

Return last x, last y

End

! last path
end path

