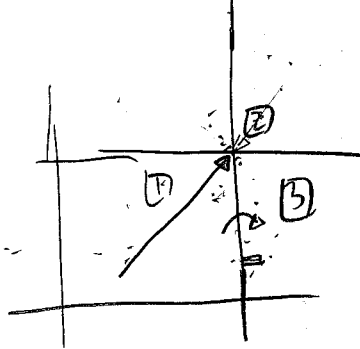
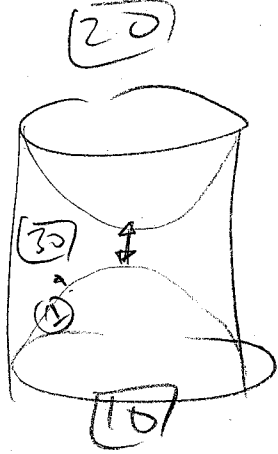
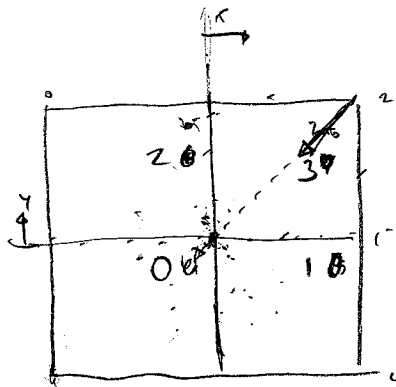


$$\begin{aligned} [10] &: -1 \\ [20] &: -2 \\ [30] &: +4 -5 +10 +20 -3 \\ [40] &: -4 +10 +12 \end{aligned}$$

$$\begin{aligned} [110] &: -4 +10 +12 \\ [120] &: +5 +20 \\ [130] &: +4 -5 +3 \end{aligned}$$

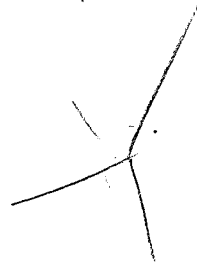
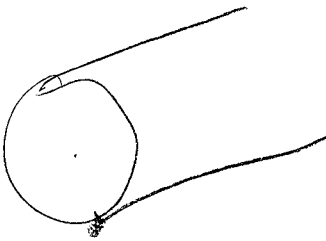
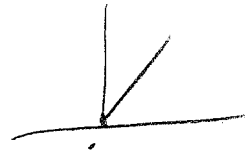
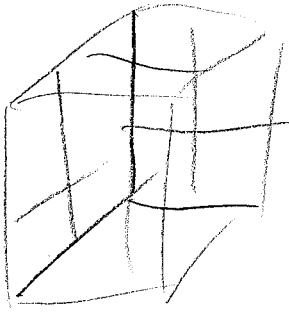




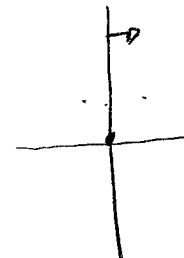
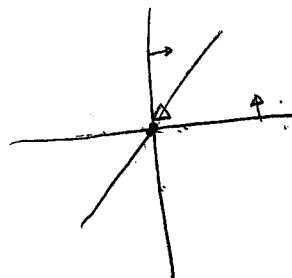
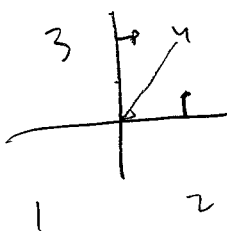
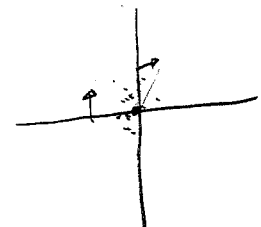
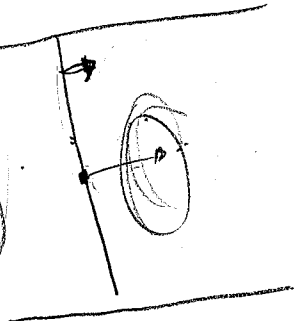
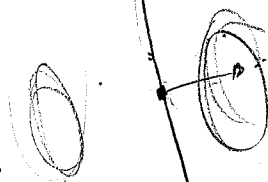
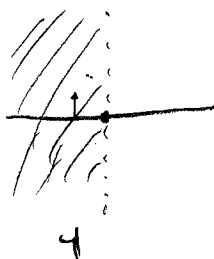
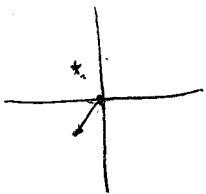
$$\underline{x} = \underline{x}(\text{TFE})$$

$$\underline{x}_{nw} = \underline{x}_{old} + \underline{\Omega} \epsilon [\|\underline{x}\| \cos(2\theta)]^{2\epsilon}$$

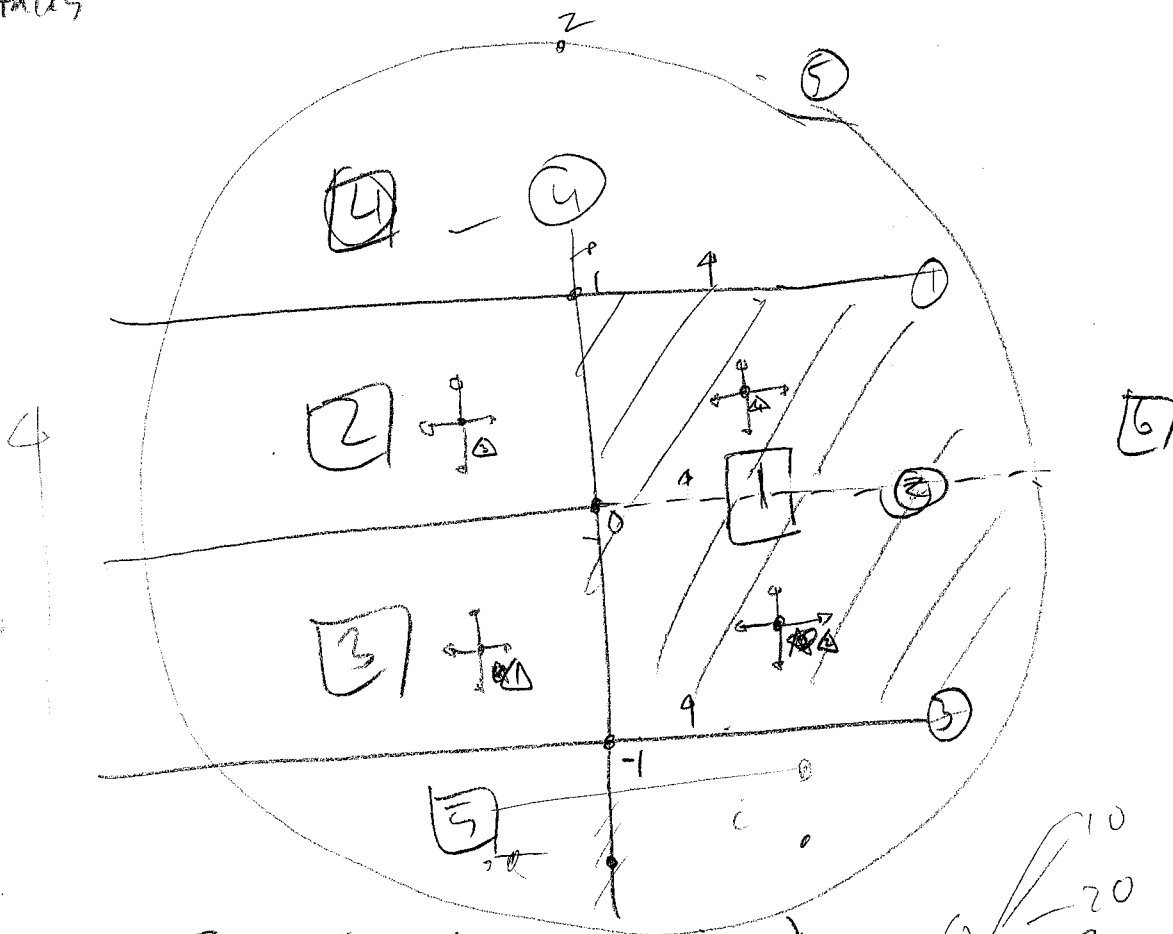
$$\underline{x}_{nw} = \underline{x}_{old} + \underline{\Omega} d$$



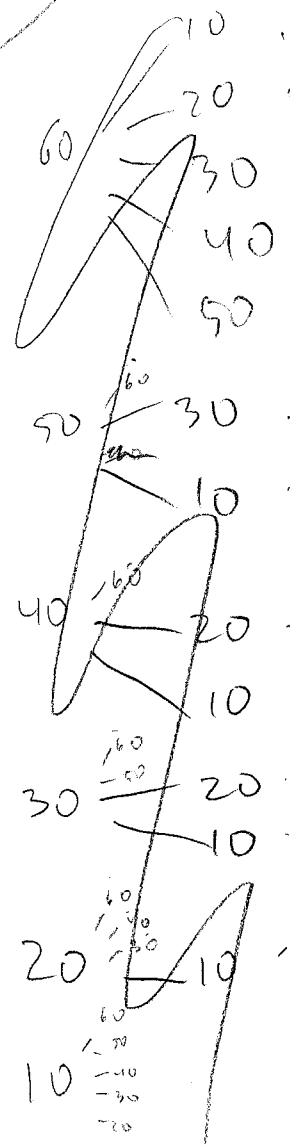
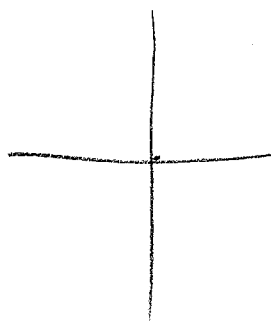
You wish

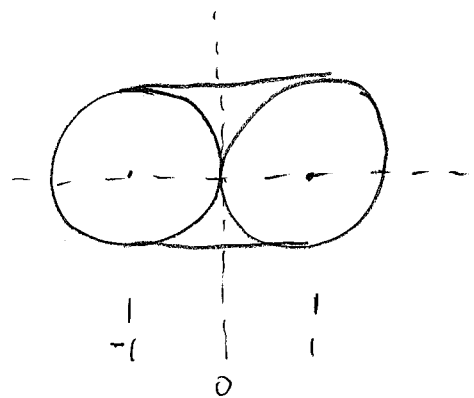
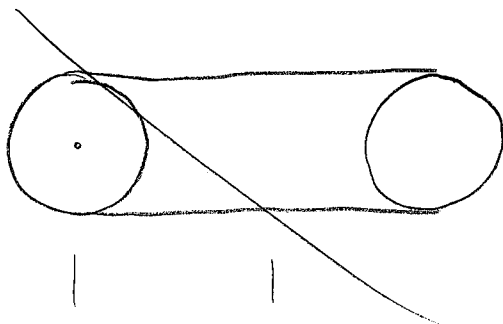
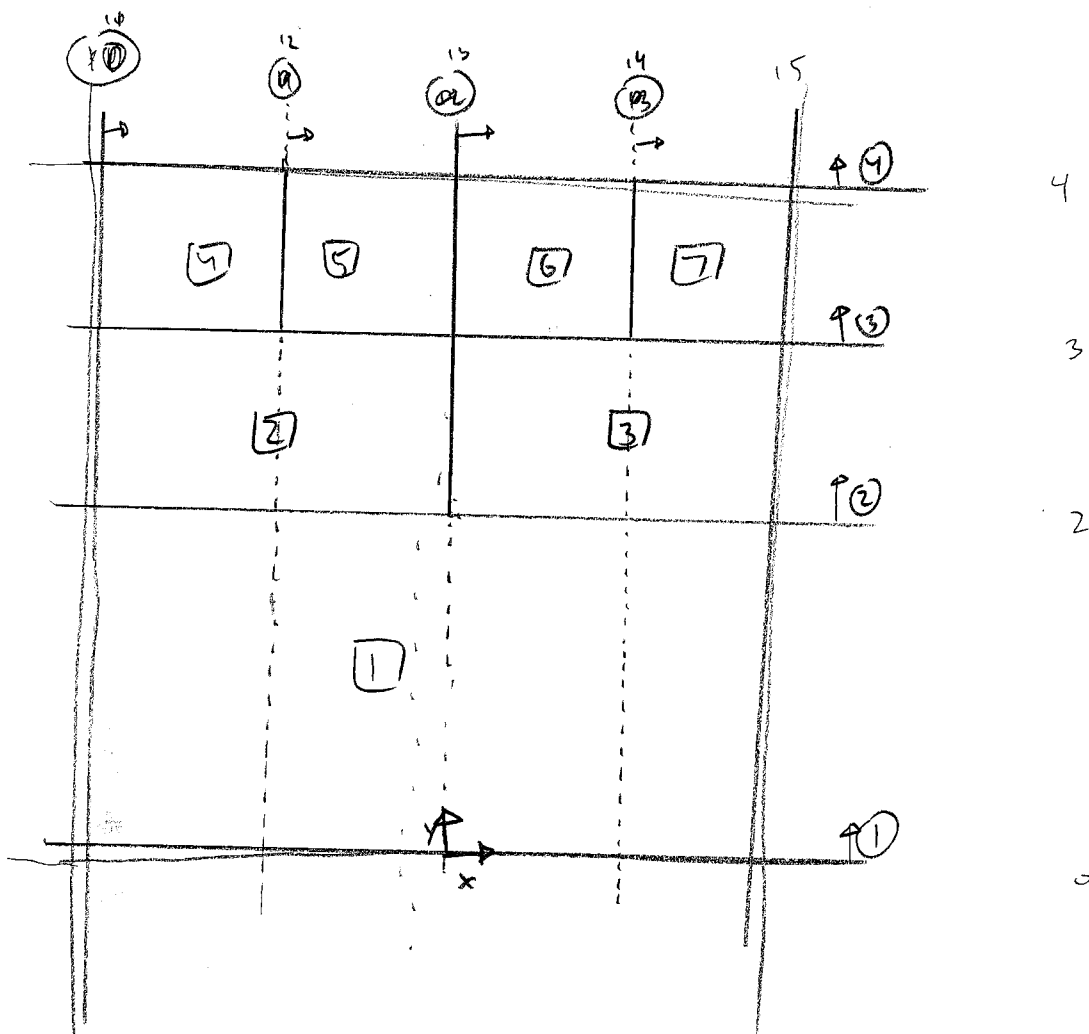


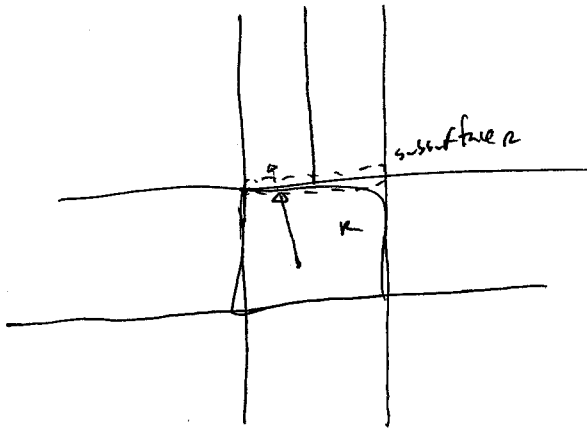
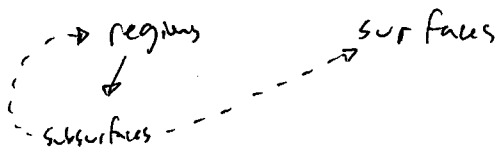
17 surfaces



①	-5	-1	+3	+4
②	-5	-1	+2	-4
③	-5	-2	+3	-4
④	-5	+1		
⑤	-5	-3		
⑥	+5			







region \rightarrow surface region

region \rightarrow surfaces & "sense" of surface
surface bound, regions \rightarrow opposite region

loop over region surfaces
intersection of surface?
 \Rightarrow loop over regions connected to that surface
is position inside region?

regions \rightarrow surfaces
 \rightarrow surface connectivity

must know:

- particle in region R , direction \underline{u} , position \underline{x}
- region R knows bounding surfaces S & whether each of these surfaces has "positive" or "negative" sense w.r.t R

is particle inside region?

list < pair (bool, \mathbb{R}^{n-1}) >
 \uparrow
for each

Vector < list < Region* > >

\uparrow
length (vector) = length (list)

- region R also knows for surface S_i , what regions bound it on the other side; $S_{i,0}^R$

(1)

how is this list generated