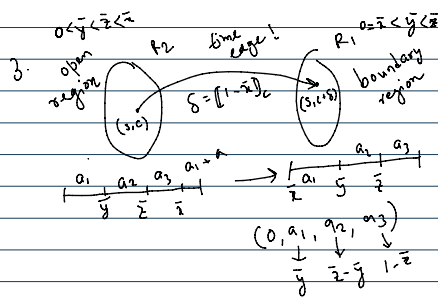
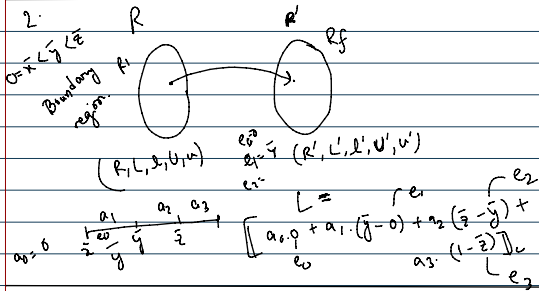
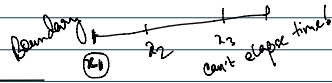
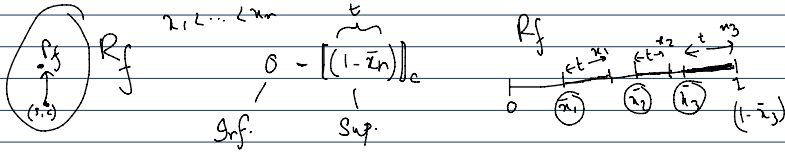


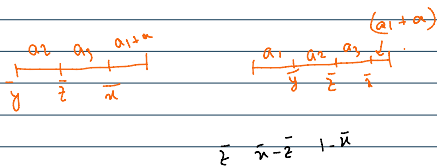
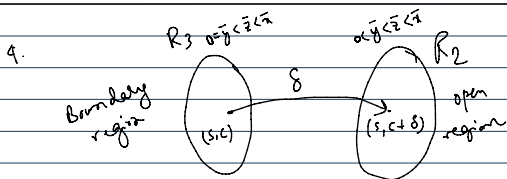
→ We are now concerned about getting the Lower and Upper Bound of the integral  $\int p$ .

1.  $(s, c) \in R_f$  reaches the final region  $R_f$ .



$$L \text{ for } R_2: \\ \int [a_1 \cdot (\bar{y} + (1 - \bar{x})) + a_2 \cdot (\bar{z} - \bar{y}) + a_3 \cdot (\bar{x} - \bar{z}) + a \cdot (1 - \bar{x})]_C$$

$$= \int [a_1 \cdot \bar{y} + a_2 \cdot (\bar{z} - \bar{y}) + a_3 \cdot (\bar{x} - \bar{z}) + (a_1 + a) \cdot (1 - \bar{x})]_C$$



$$\delta = [1 - \bar{x}]_C$$

$$\int \bar{y} \delta = \int [\bar{y} + (1 - \bar{x})]_C$$

$$\int (\bar{z} - \bar{y}) \delta = \int (\bar{z} - \bar{y})_C$$

$$\int (\bar{x} - \bar{z}) \delta = \int (\bar{x} - \bar{z})_C$$

$$\int (1 - \bar{x}) \delta = 0$$

$L \text{ for } R_3:$

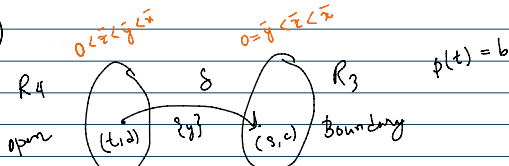
$$\int [a_1 \cdot (\bar{y} + (1 - \bar{x})) + a_2 \cdot (\bar{z} - \bar{y}) + a_3 \cdot (\bar{x} - \bar{z}) + a \cdot (1 - \bar{x})]_C$$

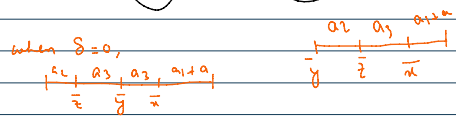
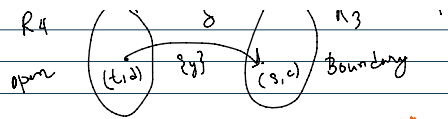
Since  $\bar{y} = 0$ .

$$= \int [a_1 \cdot (1 - \bar{x}) + a_2 \cdot (\bar{z}) + a_3 \cdot (\bar{x} - \bar{z}) + a \cdot (1 - \bar{x})]_C$$

$$= \int [a_2 \cdot (\bar{z}) + a_3 \cdot (\bar{x} - \bar{z}) + (a_1 + a) \cdot (1 - \bar{x})]_C$$

5. (Reverse)





when  $S \rightarrow (1-\infty)$ ,

