

$$R \rightarrow f$$
 minf  $c(R,E)+c(E,F)$ ,  $c(R,b)+c(P,F)$ 

$$= \min \left\{ \frac{\int S(R,B) + \omega(B,D)}{\int W(B,D)} + \omega(B,D) \right\} + \omega(B,D) + \omega(B,E), \min \left\{ S(R,R) + \omega(R,E), \min \left\{ S(R,R) + \omega(R,C) \right\} + \omega(R,C) \right\} + \omega(E,F) \right\}$$

$$= \min \left\{ \min \left\{ \min \left\{ \frac{\int S(R,B) + \omega(R,B)}{\int S(R,R) + \omega(R,B)} + \omega(B,D) \right\} + \omega(B,D) \right\} + \omega(B,E), \min \left\{ S(R,R) + \omega(R,E), \min \left\{ S(R,R) + \omega(R,C) \right\} + \omega(E,F) \right\}$$

