Exercises

E23.23 [1RY] In the above hypotheses, assuming that $\frac{\partial F}{\partial y} > 0$ and $\frac{\partial^2 F}{\partial aa} > 0$, show that the envelope graph g is locally the "edge" of the union of the graphs f_a (in the sense that $g(x) \geq f_a(x)$ with equality for only one a).

Solution 1. [1RZ]