

①. Consider a \geq constraint in a maximisation problem, the shadow price of this constraint is guaranteed to be non-positive

②. Consider a \leq constraint in a minimisation problem, the shadow price of the constraint is guaranteed to be non-positive

③.

	\leq constraint	\geq constraint
minimisation	non-positive	non-negative
maximisation	non-negative	non-positive

④. The shadow price for non-binding constraint is 0

⑤. The sign of shadow price tell us whether the optimum goes up and down

negative \rightarrow goes down

positive \rightarrow goes up

{ desirable in minimisation
undesirable in maximisation