$$20_{2}^{2} - 1 = 0$$

$$|0_{2} = \pm \frac{1}{\sqrt{2}}|$$

and from (1),
$$\lambda = -\frac{1}{20} = \frac{1}{25}$$
 — 6

... the values of (Q_1, Q_2, λ) -are-

$$= \left| \int_{\overline{2}}, \frac{1}{\sqrt{2}}, -\frac{1}{\sqrt{2}} \right| \text{ or } \left| -\int_{\overline{2}}, -\frac{1}{\sqrt{2}}, +\frac{1}{\sqrt{2}} \right|$$

from Dual feasibility, 1≥0

$$(Q_1, Q_2, \lambda) = \left(-\int_{\overline{2}}, -\frac{1}{\int_{\overline{2}}}, +\frac{1}{2\int_{\overline{2}}}\right)$$

and the value of $f(Q_1, Q_2)$ at $\left(-J_2, -\frac{1}{J_2}\right)$ is -

$$f(Q_1, Q_2) = -J_2 + 2x(-\frac{1}{J_2}) = -J_2 + (-J_2) = -2J_2$$
 Aus.