

(5) $Q = L + HK$

(11) $q = 5 + 4H^{0.5}$

(12) $q = 10H^{0.5}$

(13) $q = 10H^{0.5}$, $MRTS = \frac{q}{H} = 5$, $MRTS = 1$, $Q = 1 \times \frac{MRTS}{2} = 1$

(14) $q = 10H^{0.5}$, $MRTS = \frac{q}{H} = 5$, $MRTS = 0$, $Q = \frac{MRTS}{2} = 0$

8 生产函数

生产函数	$q = 5K$	$q = 2HK$	$q = 10H^{0.5}$	$q = 10H^{0.5} + 0.5K$
边际产量	$MPL = 5$	$MPL = 2H$	$MPL = 5$	$MPL = 5 + 0.5K$
边际成本	$MC = 1$	$MC = 2$	$MC = 1$	$MC = 1$
长期成本	$LC = 5K$	$LC = 2HK$	$LC = 10H^{0.5}$	$LC = 10H^{0.5} + 0.5K$
长期成本弹性	$ELC = 1$	$ELC = 1$	$ELC = 0.5$	$ELC = 0.5$
生产函数弹性	$ELQ = 1$	$ELQ = 1$	$ELQ = 0.5$	$ELQ = 0.5$
生产函数弹性	$ELQ = 1$	$ELQ = 1$	$ELQ = 0.5$	$ELQ = 0.5$

10 (1) $q = 10H^{0.5} + 0.5K$, $q = 10H^{0.5}$, $q = 10H^{0.5} + 0.5K$

(2) 生产函数 $q = 10H^{0.5} + 0.5K$, $q = 10H^{0.5}$, $q = 10H^{0.5} + 0.5K$

(3) $q = 10H^{0.5} + 0.5K$, $q = 10H^{0.5}$, $q = 10H^{0.5} + 0.5K$