

Quantity of capital goods, k

$$mrts(l, k) = \frac{x_l}{x_k} = \frac{mp_l}{mp_k} = -\frac{dk}{dl}$$

a $\leftarrow mrts(l, k) = \frac{8}{2} = 4$

b $\leftarrow mrts(l, k) = \frac{4}{4} = 1$

c $\leftarrow mrts(l, k) = \frac{2}{8} = 0.25$

Cobb–Douglas
isoquant $\bar{x} = f(l, k)$

Hours of labor, l

