x = days;

switch days

case 0

dail\_rate = 0;

case 1

dail\_rate = 7;

case x

dail\_rate = x \* 7;

end

switch hours

case 0

hr\_rate = 0

case 0.5

hr\_rate = 0

case 1

hr\_rate = 0;

case 1.5

hr\_rate = 2;

case 2

hr\_rate = 2;

case 3

hr\_rate = 3;

case 4

hr\_rate = 4;

case 4.5

hr\_rate = 5;

case 5

hr\_rate = 5;

case 6

hr\_rate = 6;

case 7

hr\_rate = 7;

otherwise

hr\_rate = 7;

end

rate = dail\_rate + hr\_rate;

end

SOLUTION.M

time = zeros(3,1536)

%Assume time = 3 x 1536 matrix [days; hours; minutes]

for idx = 1:length( time )

days = time( 1, idx );

hours = time( 2, idx );

minutes = time( 3, idx );

shortRate = SLC\_ShortTerm( days, hours, minutes );

longRate = SLC\_LongTerm( days, hours );

rates( 1, idx ) = shortRate;

rates( 2, idx ) = longRate;

end

figure(2)

title('Short Term Rate for SLC Airport Parking')

xlabel('time (in 15 minute intervals)')

ylabel('rate (in dollars)')

figure(3)

title('Long Term Rate for SLC Airport Parking')

xlabel('time (in 15 minute intervals)')

ylabel('rate (in dollars)')