clc;

clear;

disp('Gage Farmer - HW11 - M/W 10AM');

prompt='\nWhat color licorice are you buying? ';

c=input(prompt,'s');

n=input('\nHow many boxes do you want? ');

p=0;

switch c

case 'red'

if 0 < n && n <= 5

p=p+(n\*6);

elseif 6 <= n && n <= 10

p=p+30+((n-5)\*5);

elseif n >= 11;

p=p+55+((n-10)\*4);

else

disp('That is not a valid number');

end

case 'green'

if 0 < n && n <= 5

p=p+(n\*7);

elseif 6 <= n && n <= 10

p=p+35+((n-5)\*6);

elseif n >= 11;

p=p+65+((n-10)\*5);

else

disp('That is not a valid number');

end

case 'black'

if 0 < n && n <= 5

p=p+(n\*8);

elseif 6 <= n && n <= 10

p=p+40+((n-5)\*7);

elseif n >= 11;

p=p+75+((n-10)\*6);

else

disp('That is not a valid number');

end

otherwise

disp('That is not a valid licorice color');

end

fprintf('\nThe total cost is $%.2f for %.f cases of %s licorice.', p, n, c);