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Homework Problem 2 Part B

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```
clear;  
clc;  
close all;
```

Variables

```
r = 4.25/100;  
y = [15 30];  
dp=0:5000:50000; % Conditions for down payments  
p = 110000 - dp; % Finds principal amount payed based off of dp
```

Output Statements

```
fprintf('Principle Amount | 15 Year Payment | 30 Year Payment\n')  
  
for k =1:length(p) % creates an array based on the length of p  
    M=p(k)*(r/12)./(1-(1+r/12).^(-12.*y)); %Finds monthly payment for  
    each year  
    fprintf(' $%d | $%f | $%f \n',p(k),M(1),M(2)); % Creates a  
    f statement that keeps going until all conditions are met  
end
```

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