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```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% ENGR 133
% Program Description:
%
% Assignment Information
%   Assignment:     Ma2 Task6
%   Author:         Roshan Sundar, rmsundar
%   Team ID:        LC1-04
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

INITIALIZATION

```
max_a = 1000000;
a = 0;
p = 11000;
r = 0.02;
n = 1;
t = 0;
```

CALCULATIONS

```
while a < max_a
    t = t + 1;
    a = p * (1+(r/n))^(n*t);
end
```

OUTPUTS

```
fprintf('The savings account would exceed $1 million after %d years.',
 t)
```

```
The savings account would exceed $1 million after 228 years.
```

ACADEMIC INTEGRITY STATEMENT

I have not used source code obtained from any other unauthorized source, either modified or unmodified. Neither have I provided access to my code to another. The project I am submitting is my own original work.

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