

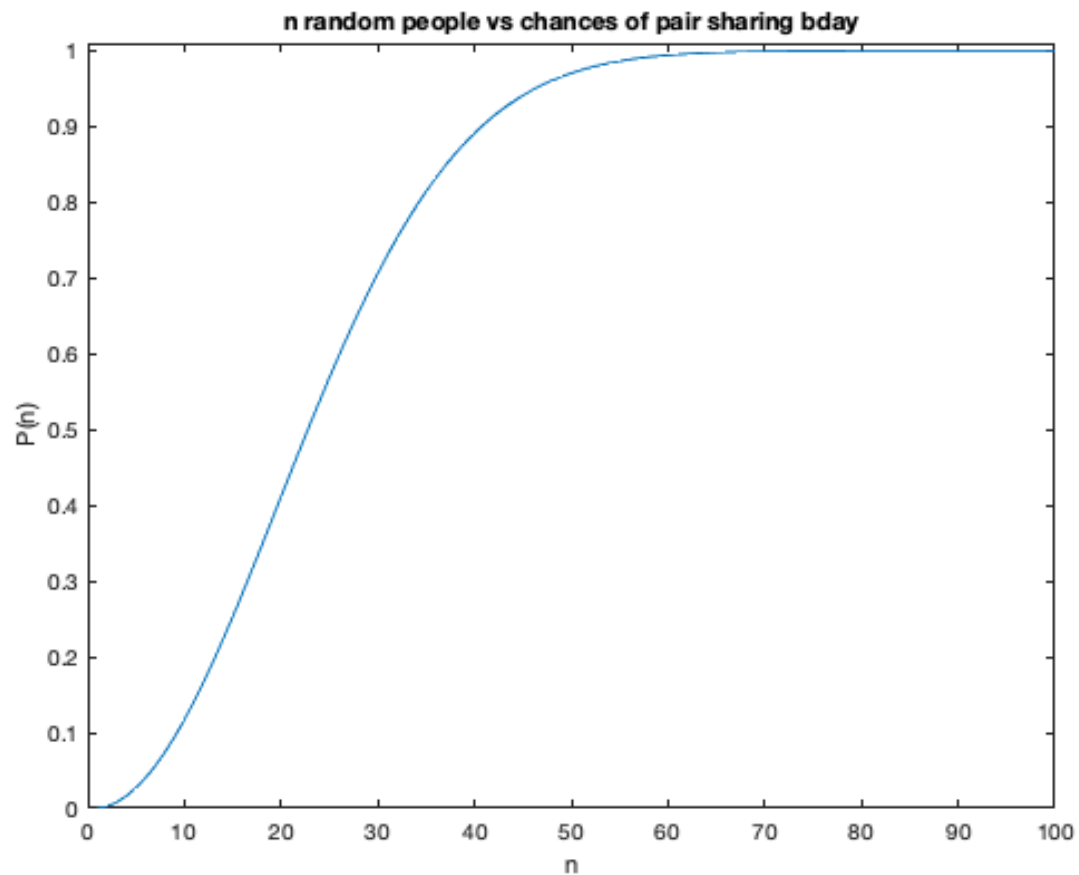
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```
% Ben Juarez    ACM 116    PS1
```

```
bday = ones(100, 1);  
b = 1;  
for n = 1:100  
    b = b .* ((365-n+1)/365);  
    bday(n) = 1 - b;  
end  
  
bday(55)  
plot(1:1:100, bday)  
xlabel("n");  
ylabel("P(n)");  
ylim([0 1.01]);  
title("n random people vs chances of pair sharing bday");  
snapnow
```

```
ans =
```

```
0.9863
```



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