
```
threeheads = 0;
for i = 1:1000
    number = 0;
    for j = 1:4
        if rand(1,1) < 0.75
            x = 1;
        else
            x = 0;
        end
        number = number + x;
    end
    if number == 3
        threeheads = threeheads + 1;
    end
end
disp(['The probability of 3 heads in 4 coin tosses is: '
    num2str(threeheads/1000)]);
```

The probability of 3 heads in 4 coin tosses is: 0.417

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