what about getting four heads and 1 Tail

H H H H H	→	5 ways to get 4 H and 1 T
T H H H H		
H T H H H	→	10 ways to get 2 H and 3 T
H H T H H		
H H H T H	→	10 ways to get 3 H and 2 T
H H H H T		

P value = Probability of gettin. 4 H and 1T → 5/32 → $\frac{5}{32}$ → 5 ways to get 1 H and 4 T

+ Probability of gett 4T and 1H → 1 way to get 5 Hea.

+ probability of 5 H + Probability 5T) → 1 way to get 5 T

$(\frac{1}{32} + \frac{1}{32})$

in two sided no other distribution gives better result

$\frac{5}{32} + \frac{5}{32} + \frac{2}{32} = 0.375$ My Coin. in not special.

└ one Sided P value :- (dangerous)
   in some condition it cannot tell that My drug doing
   Something unnormal.

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Video 8 : Confidence intervals
Ex : we want to know the mean weight of female mice
② we choose random 12 Female Mice to weight , ① choose random 12 weights
② Calculate mean of the random Sample.
③ Repeat ① and ② auntill we Calculated alot of Random means
   95% Percent of interval. :-   معناها ان يكون 95%.
         Confidence.   الـ means أخذنا

why they are useful :- Confidence of intval = 95% ان قولت لو لنشا
الفرصية si بين مختبرتين الفرش الـ 5% ان لما هنا
         P value < .05 ان معناها 95% أخذناه
الأخرى
⑤