

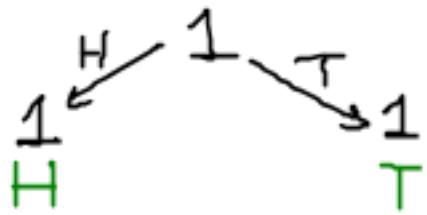
<u>ABCD</u>	4	BACD	2	CABD	1	<u>DABC</u>	0	
ABDC	2	<u>BADC</u>	0	<u>CADB</u>	0	DACB	1	<u>9</u>
ACBD	2	BCAD	1	CBAD	2	DBAC	1	<u>24</u>
ACDB	1	<u>BCDA</u>	0	CBDA	1	DBCA	2	
ADBC	1	<u>BDAC</u>	0	<u>CDAB</u>	0	<u>DCAB</u>	0	
ADCB	2	BDCA	1	<u>CDBA</u>	0	<u>DCBA</u>	0	

A right: $\frac{1}{4}$

$\sum = \underline{24}$

Tr. Flips

0



$(H+T)^4$
 $(H+T)(H+T)(H+T)(H+T)$

2 1

1
HH

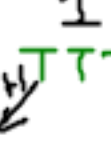
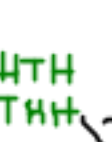
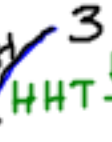
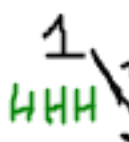
2
HT, TH

1
TT

$\binom{3}{2}$

"3 choose 2"

3 2



4 3

1
 H^4

4
HHHT
HHTH
HTHH
THHH

6
HHHT
HTHT
HTTH
THTT
THTH
TTHT

4
HTTT
THTT
TTHT
TTTH

1
T

5 4

etc.

$H^4 + 4H^3 \cdot T$

$+ 6H^2T^2 + 4HT^3$

$+ T^4$