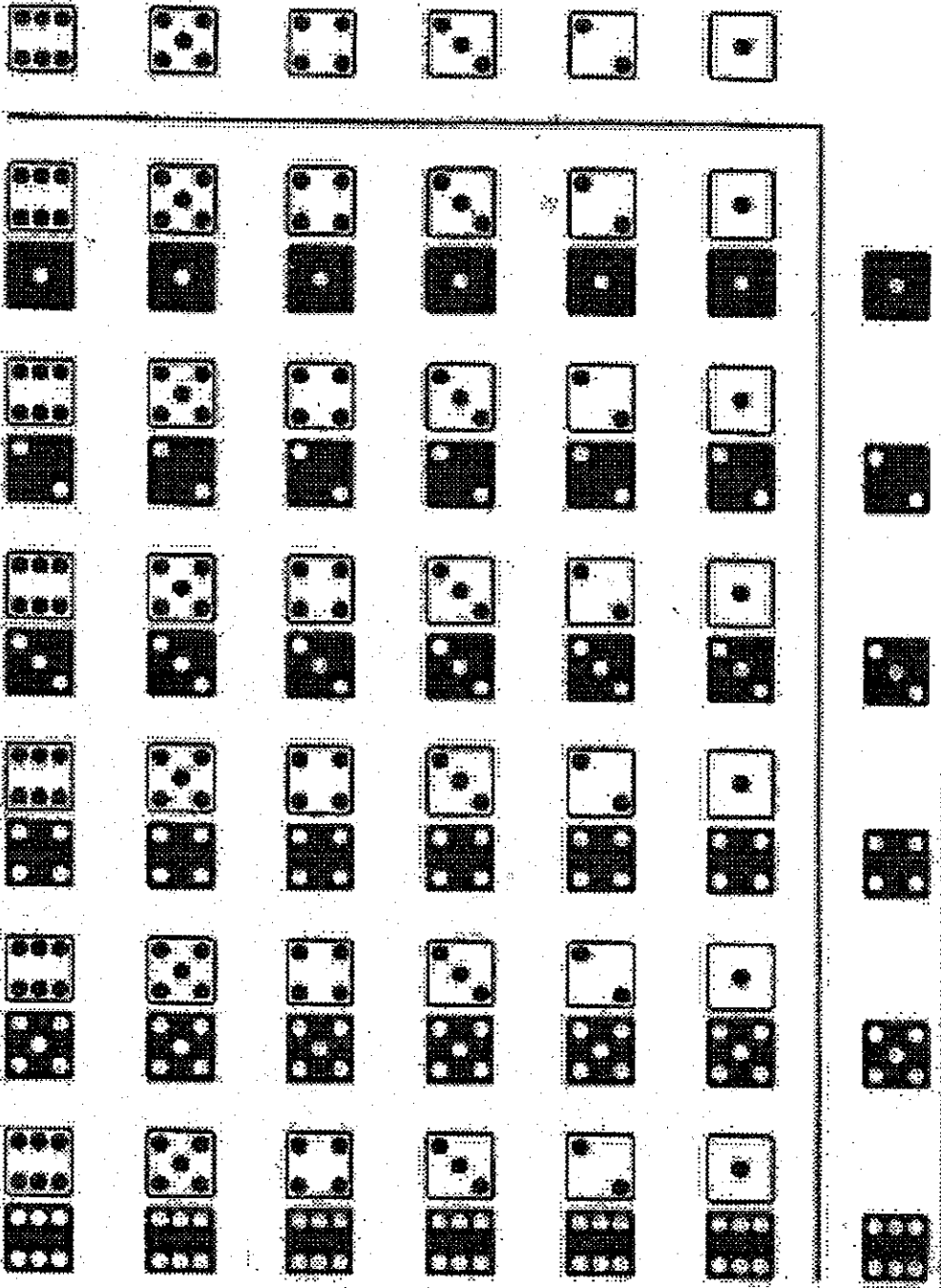
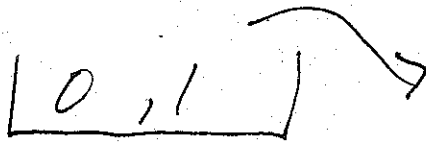


### Dice : Sample Space





Draw 4 times  
& consider the  
sum of draws

COIN TOSSING: SAMPLE SPACE,  $N=4$

0 - tails: **HHHH**

1 - tail: **THHH**      **HTHH**      **HHTH**      **HHHT**

2 - tails: **TTHH**      **THTH**      **THHT**  
**HTTH**      **HTHT**      **HHTT**

3 - tails: **HTTT**      **THTT**      **TTHT**      **TTHH**

4 - tails: **TTTT**

# The Number of Heads in 4 Tosses of a Fair Coin:

# heads	probability
0	$1/16 = .0625 = 6.25\%$
1	$4/16 = .25 = 25\%$
2	$6/16 = .375 = 37.5\%$
3	$4/16 = .25 = 25\%$
4	$1/16 = .0625 = 6.25\%$

