

PRACTICAL -2

Aim: Visit UCI data repository and download king-rook-vs-king chess data (<http://www.ics.uci.edu/~mlearn/databases/chess/king-rook-vs-king>) to answer the following questions using Microsoft Excel Pivot Table and Pivot Chart tool (Give relevant print-outs):

- a) How many times the result was draw when the White king File position was 'c' and the Black King File position was also 'c'?

	WKF	BKF	ODW
c	78	78	78

- b) What was the White King Rank position the highest number of times when the result is a win with moves between zero and five (inclusive)? How many times did this occur?

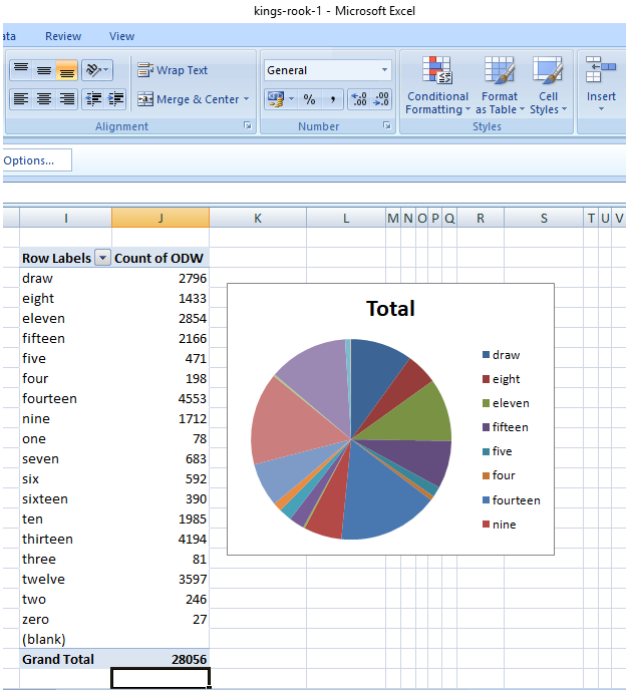
Row Labels	Count of ODW	Count of WKR
five	471	471
four	198	198
one	78	78
three	81	81
two	246	246
zero	27	27
Grand Total	1101	1101

c) Identify a Black King Rank position that required every time more than 5 move for a win.

k-1 - Microsoft Excel

PivotTable Tools	
as	Data Review View Options Design
Alignment	
Options...	
els	
H	I J K
	BKR (All)
	Row Labels Count of BKR
	draw 2796
	eight 1433
	eleven 2854
	fifteen 2166
	fourteen 4553
	nine 1712
	seven 683
	six 592
	sixteen 390
	ten 1985
	thirteen 4194
	twelve 3597
	Grand Total 26955

d) Draw a pie chart showing the distribution of different values of result.



e) **Can you identify some positions that lead to win with few moves?**

Answer: F7 E4 C4 H5F3