



EAST, CENTRAL & SOUTH AFRICA MICROSOFT EXCEL FORUM



Excel

Create. Teach .Inspire

Five Steps to Solving Complex Problems in Power Query

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ized by:



CRISPEXCEL TRAINING & CONSULTANCY
Driving Your Vision

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THE FIVE KEY STEPS

1. Master the End/Start Positions
2. Tell it to the Duck
3. Divide and Assign
4. Engage the Kaiju
5. Look Inside the Machine

START FROM THE END POSITIONS

Advanced Progressive Squeeze Position

♠ A J 10

♥ —

♦ —

♣ J

♠ K Q

♥ J

♦ 10

♣ —

♠ 4

♥ 10

♦ 9

♣ K

immaterial

Problem

Date	Customers	Orders
12/10/2023	Aiden	88
12/11/2023	Becky; Caro; Aiden	112; 48; 56
12/12/2023	Dave; Aiden	64; 84
12/13/2023	Esta; Becky	88; 132
12/14/2023	Caro; Fred	76; 4
12/15/2023	Fred	6

Solution

Date	Aiden	Becky	Caro	Dave	Esta	Fred
12/10/2023	88					
12/11/2023	56	112	48			
12/12/2023	84			64		
12/13/2023		132			88	
12/14/2023			76			4
12/15/2023						6

Easy Sunday Excel Challenge

- ★ Split and pivot the Orders table
- ★ For example Fred has only 2 Orders on 14th and 15th
- ★ Dynamic array function allowed but Extra marks for Legacy solutions or PowerQuery Solution

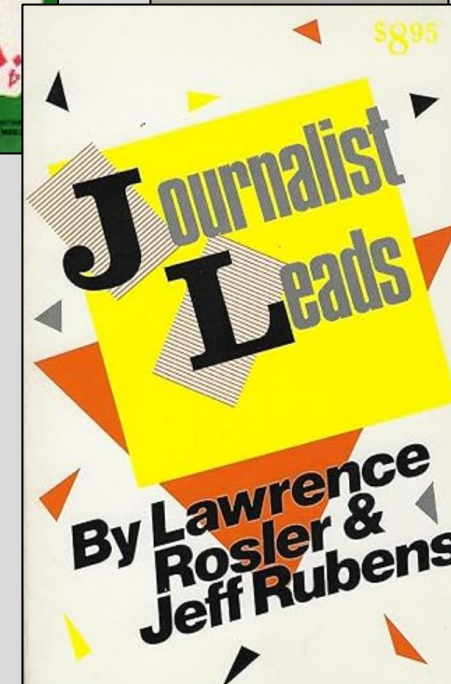
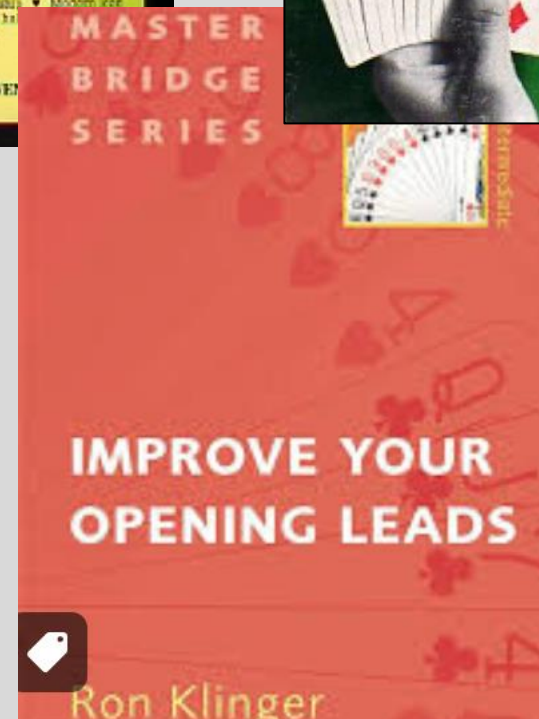
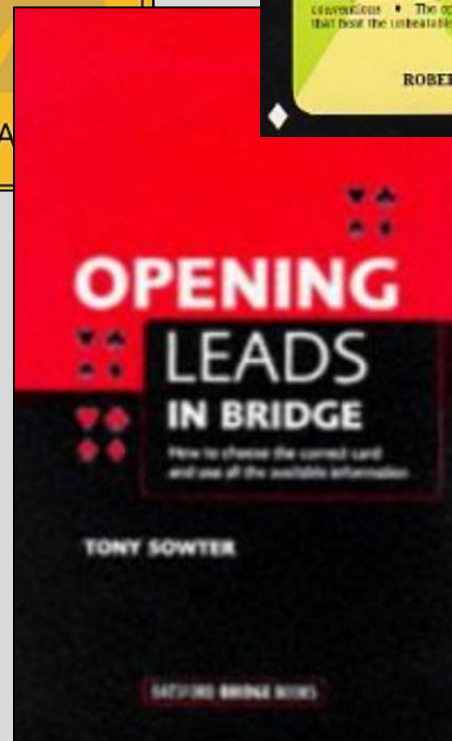
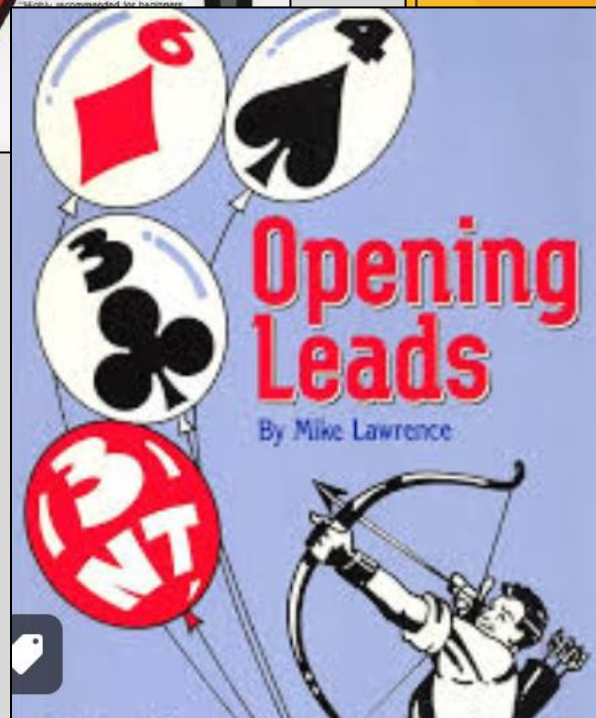
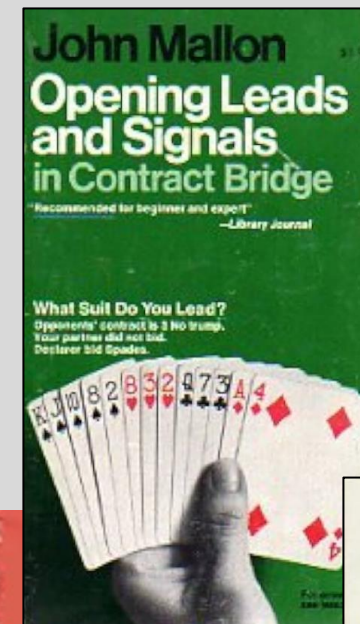
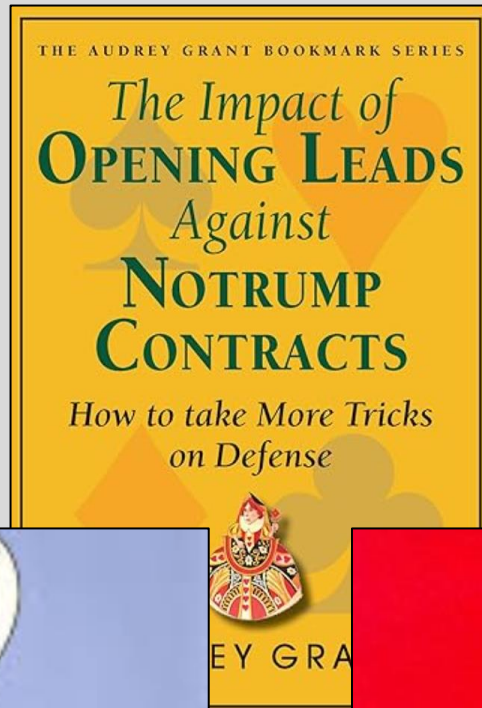
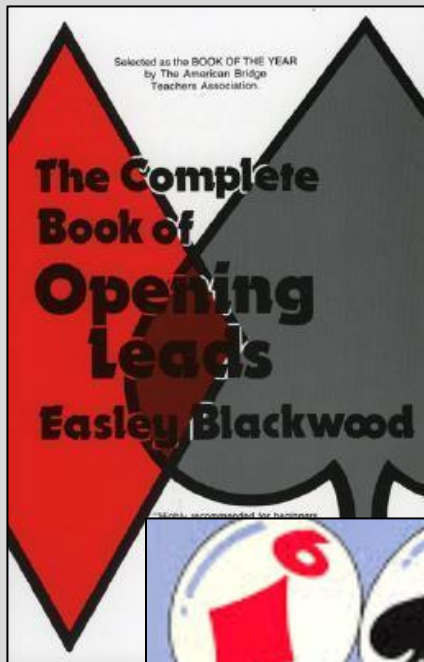


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UNLOCKING YOUR DATA POWER

Penultimate Pre-Pivot Position

	Date	Column1	Column2
1	12/10/2023	Aiden	88
2	12/11/2023	Becky	112
3	12/11/2023	Caro	48
4	12/11/2023	Aiden	56
5	12/12/2023	Dave	64
6	12/12/2023	Aiden	84
7	12/13/2023	Esta	88
8	12/13/2023	Becky	132
9	12/14/2023	Caro	76
10	12/14/2023	Fred	4
11	12/15/2023	Fred	6

THE IMPORTANCE OF THE OPENING LEAD



COMMON OPENING MOVES IN M

START/END	Table	Record	List	Value
Table	Table.SpiltColumn Table.Transform Table.CombineColumns Table.CombineColumnToRecord Table.Pivot Table.Unpivot Table.Group Table.Join Table.NestedJoin Table.DuplicateColumn Table.SelectRows Table.Distinct Table.AlternateRows Table.Reorder Table.Repeat Table.ReverseRows Table.Sort TableTransformColumns Table.SelectColumns TableAddColumn Table.AddIndexColumn Table.AddRankColumn Table.Combine Table.FillDown/Table.FillUp	Table.ToRecords Record.FromTable Table.CombineColumnsToRecord	Table.ToList Table.ToColumns Table.ToRows Table.Split Table.SplitAt Table.TransformRows Table.ColumnNames	Table.RowCount Table.ColumnCount Table.IsDistinctt Table.IsEmpty Table.Contains/All/Any
Record	Table.FromRecords Record.ToTable Record.FromTable	Record.Combine Record.SelectFields Record.RemoveFields Record.TransformFields	Record.ToList	Record.Field

COMMON OPENING MOVES IN M

START/END	Table	Record	List	Value
List	Table.FromList Table.FromColumns Table.FromRows	Record.FromList	List.Transform List.TransformMany List.Combine List.Split List.Select List.First/List.FirstN List.Last/List.LastN List.Range List.Distinct List.RemoveFirstN List.RemoveLastN List.RemoveItems List.RemoveRange List.Skip List.Alternate List.InsertRange List.Zip List.Intersect List.Union List.Difference List.RemoveMatchingItems List.ReplaceMatchingItems List.ReplaceRange	Text.Combine
Value(s)	Table.FromValue	Date.ToRecord Time.ToRecord DateTime.ToRecord DateTimeZone.ToRecord	List.Numbers List.Dates List.DateTimes List.Times Text.ToList List.Random	
Function			List.Generate List.Accumulate	