

L1Steps1 File open L1Undo1

L1Steps2 {Edit-Goto B2} L1Undo2  
{Let B2;"Bell Audio"}  
{let <<tutmac.wk3>>Mark2;1}

L1Steps3 {Let B5;12000} L1Undo3  
{Let C5;19000}  
{Let D5;16000}  
{Edit-Goto D5}  
{Let <<tutmac.wk3>>Mark3;1}

L1Steps4 {Edit-Goto B16} L1Undo4  
+b5-b14~  
{Let <<tutmac.wk3>>Mark4;1}

L1Steps5 {Edit-Goto B16..D16} L1Undo5  
{Edit-Copy-Fill "right"}  
{Let <<tutmac.wk3>>Mark5;1}

L1Steps6 {Edit-Goto E5} L1Undo6  
@sum(b5..d5)~  
{Let <<tutmac.wk3>>Mark6;1}

L1Steps7 {Edit-Goto E8..E12} L1Undo7  
{Edit-Copy A:E5}  
{Edit-Paste}  
{Let <<tutmac.wk3>>Mark7;1}

L1Undo8

File close

```
{Select B2}  
{Select-Append B5..E5}  
{Select-Append E8..E12}  
{Select-Append B16..D16}  
{Edit-Clear}  
{Edit-Goto A1}  
{Let <<tutmac.wk3>>Mark2;0}
```

```
{L1Undo2}  
{L1Steps2}  
{Let <<tutmac.wk3>>Mark3;0}
```

```
{L1Undo3}  
{L1Steps3}  
{Let <<tutmac.wk3>>Mark4;0}
```

```
{L1Undo4}  
{L1Steps4}  
{Let <<tutmac.wk3>>Mark5;0}
```

```
{L1Undo5}  
{L1Steps5}  
{Let <<tutmac.wk3>>Mark6;0}
```

```
{L1Undo6}  
{L1Steps6}  
{Let <<tutmac.wk3>>Mark7;0}
```

```
{if <<tutmac.wk3>>Mark7} {quit}  
{if <<tutmac.wk3>>Mark6} {L1Steps7} {quit}  
{if <<tutmac.wk3>>Mark5} {L1Steps6} {L1Steps7} {quit}  
{if <<tutmac.wk3>>Mark4} {L1Steps5} {L1Steps6} {L1Steps7} {quit}  
{if <<tutmac.wk3>>Mark3} {L1Steps4} {L1Steps5} {L1Steps6} {L1Steps7} {quit}
```

```
{if <<tutmac.wk3>>Mark2} {L1Steps3} {L1Steps4} {L1Steps5} {L1Steps6} {L1Steps7} {quit}
{L1Steps2} {L1Steps3} {L1Steps4} {L1Steps5} {L1Steps6} {L1Steps7} {quit}
```

L2Steps1 {goto}A:B5~  
{anchor} {end} {home}~  
{Range-Format "currency";2}  
{let <<tutmac.wk3>>Mark1;1}

L2Undo1

L2Steps2 {home}  
{Edit-Cut A:B1..A:B2}  
{Edit-Paste A:A1}  
{goto}A:A1~  
{anchor} {d}~  
{let <<tutmac.wk3>>Mark2;1}

L2Undo2

L2Steps3 {goto}A:B14~  
{anchor} {r 2}~  
{Range-Name-Create EXPENSES}  
{let <<tutmac.wk3>>Mark3;1}

L2Undo3

L2Steps4 {goto}A:E14~  
{@sum(EXPENSES)}~  
{let <<tutmac.wk3>>Mark4;1}

L2Undo4

L2Undo5

```
{home}  
{Blank A:E16}  
{Blank A:E14}  
{Range-Format-Reset A:B5..A:E16}  
{let <<tutmac.wk3>>Mark1;0}
```

```
{L2Undo1}  
{Edit-Cut A:A1..A:A2}  
{Edit-Paste A:B1}  
{L2Steps1}  
{let <<tutmac.wk3>>Mark2;0}
```

```
{L2Undo2}  
{Range-Name-Delete "EXPENSES"}  
{L2Steps2}  
{let <<tutmac.wk3>>Mark3;0}
```

```
{L2Undo3}  
{L2Steps3}  
{let <<tutmac.wk3>>Mark4;0}
```

```
{if <<tutmac.wk3>>Mark4} {quit}  
{if <<tutmac.wk3>>Mark3} {L2Steps4} {quit}  
{if <<tutmac.wk3>>Mark2} {L2Steps3} {L2Steps4} {quit}  
{if <<tutmac.wk3>>Mark1} {L2Steps2} {L2Steps3} {L2Steps4} {quit}  
{L2Steps1} {L2Steps2} {L2Steps3} {L2Steps4} {quit}
```

L3Steps1 {Edit-Goto B3..E3} L3Undo1  
{Style-Align-Horizontal "right"}  
{Let <<tutmac.wk3>>Mark1;1}

L3Steps2 {Edit-Goto A1} L3Undo2  
{Style-Font "Times New Roman";A:A1;"roman"}  
{Style-Font-Attributes "bold";"on";A:A1}  
{Let <<tutmac.wk3>>Mark2;1}

L3Steps3 {Style-Text-Color 186} L3Undo3  
{Let <<tutmac.wk3>>Mark3;1}

L3Steps4 {Edit-Goto A5..A16} L3Undo4  
{Edit-Copy A1}  
{Edit-Paste-Special ;"styles"}  
{Let <<tutmac.wk3>>Mark4;1}

L3Steps5 {Edit-Goto A1} L3Undo5  
{Style-Font-Size 14}  
{Let <<tutmac.wk3>>Mark5;1}

L3Undo6

```
{Edit-Goto B3..E3}
{Style-Align-Horizontal "left"}
{Edit-Clear-Styles A1..A16}
{Style-Font-Size 10;A1..A16}
{Edit-Goto A1}
{Let <<tutmac.wk3>>Mark1;0}
```

```
{L3Undo1}
{L3Steps1}
{Let <<tutmac.wk3>>Mark2;0}
```

```
{L3Undo2}
{L3Steps2}
{Let <<tutmac.wk3>>Mark3;0}
```

```
{L3Undo3}
{L3Steps3}
{Let <<tutmac.wk3>>Mark4;0}
```

```
{L3Undo4}
{L3Steps4}
{Let <<tutmac.wk3>>Mark5;0}
```

```
{If <<tutmac.wk3>>Mark5} {quit}
{if <<tutmac.wk3>>Mark4} {L3Steps5} {quit}
{if <<tutmac.wk3>>Mark3} {L3Steps4} {L3Steps5} {quit}
{if <<tutmac.wk3>>Mark2} {L3Steps3} {L3Steps4} {L3Steps5} {quit}
{if <<tutmac.wk3>>Mark1} {L3Steps2} {L3Steps3} {L3Steps4} {L3Steps5} {quit}
{L3Steps1} {L3Steps2} {L3Steps3} {L3Steps4} {L3Steps5}
```

L4Steps1	{Edit-Goto A21} {Edit-Goto A17} {Select A1..D5} {Chart-New A18..E33} {Let <<tutmac.wk3>>Mark1;1}	L4Undo1
L4Steps2	{Chart-Type "3D-Bar"} {Let <<tutmac.wk3>>Mark2;1}	L4Undo2
L4Steps3	{Chart-Range "b";B14..D14} {Let <<tutmac.wk3>>Mark3;1}	L4Undo3
L4Steps4	{Chart-Legend "b";;;A14} {Let <<tutmac.wk3>>Mark4;1}	L4Undo4
L4Steps5	{Edit-Goto "Chart 1";"B range";"Chart"} {Style-Interior 168} {Let <<tutmac.wk3>>Mark5;1}	L4Undo5
L4Steps6	{Edit-Goto "Chart 1";"Title Line 1";"Chart"} {Style-Font "Times";;"roman"} {Let <<tutmac.wk3>>Mark6;1}	L4Undo6
		L4Undo7

```
{Select "Chart 1";;"Chart"}
{Edit-Clear}
{Edit-Goto A1}
{Let <<tutmac.wk3>>Mark1;0}
```

```
{Select "Chart 1";;"Chart"}
{Chart-Type "Bar"}
{Let <<tutmac.wk3>>Mark2;0}
```

```
{Select "Chart 1";"B range";"Chart"}
{Edit-Clear}
{Let <<tutmac.wk3>>Mark3;0}
```

```
{Chart-Legend "b";"Data B"}
{Let <<tutmac.wk3>>Mark4;0}
```

```
{Edit-Goto "Chart 1";"B range";"Chart"}
{Style-Interior 68}
{Let <<tutmac.wk3>>Mark5;0}
```

```
{Edit-Goto "Chart 1";"Title Line 1";"Chart"}
{Style-Font "Arial";;"swiss"}
{Let <<tutmac.wk3>>Mark6;0}
```

```
{if <<tutmac.wk3>>Mark6} {quit}
{if <<tutmac.wk3>>Mark5} {L4Steps6} {quit}
{if <<tutmac.wk3>>Mark4} {L4Steps5} {L4Steps6} {quit}
{if <<tutmac.wk3>>Mark3} {L4Steps4} {L4Steps5} {L4Steps6} {quit}
{if <<tutmac.wk3>>Mark2} {L4Steps3} {L4Steps4} {L4Steps5} {L4Steps6} {quit}
{if <<tutmac.wk3>>Mark1} {L4Steps2} {L4Steps3} {L4Steps4} {L4Steps5} {L4Steps6} {quit}
{L4Steps1} {L4Steps2} {L4Steps3} {L4Steps4} {L4Steps5} {L4Steps6} {quit}
```



L6Steps1	{FirstCell} {Insert-Sheets "after";1} {let <<tutmac.wk3>>Mark1;1}	L6Undo1
L6Steps2	{Sheet-Name "Budget Q2"} {PrevSheet} {Sheet-Name "Actual Q1"} {let <<tutmac.wk3>>Mark2;1}	L6Undo2
L6Steps3	{FirstCell} {Select-All} {Edit-Copy} {NextSheet} {Edit-Paste} {let <<tutmac.wk3>>Mark3;1}	L6Undo3
L6Steps4	{FirstCell} {Set "Worksheet-Group-Sheets";"yes"} {NextSheet} {let <<tutmac.wk3>>Mark4;1}	L6Undo4
L6Steps5	{Home} Q2 Budget~ {let <<tutmac.wk3>>Mark5;1}	L6Undo5
L6Steps6	{Select-Range B:B3..B:D3} {Edit-Clear-Contents} Apr~ {Fill-By-Example} {let <<tutmac.wk3>>Mark6;1}	L6Undo6
L6Steps7	{Select-Range B:B5} +a:d5*1.1~ {let <<tutmac.wk3>>Mark7;1}	L6Undo7
		L6Undo8

```
{FirstCell}
{Delete-Sheets B:A1}
{let <<tutmac.wk3>>Mark1;0}
```

```
{L6Undo1}
{Sheet-Name-Delete "Actual Q1"}
{L6Steps1}
{let <<tutmac.wk3>>Mark2;0}
```

```
{L6Undo2}
{FirstCell} {NextSheet}
{Select-All}
{Edit-Clear ;"both"}
{L6Steps2}
{let <<tutmac.wk3>>Mark3;0}
```

```
{Set "Worksheet-Group-Sheets";"no"}
{L6Undo3}
{L6Steps3}
{let <<tutmac.wk3>>Mark4;0}
```

```
{L6Undo4}
{L6Steps4}
{let <<tutmac.wk3>>Mark5;0}
```

```
{L6Undo5}
{L6Steps5}
{let <<tutmac.wk3>>Mark6;0}
```

```
{L6Undo6}
{L6Steps6}
{let <<tutmac.wk3>>Mark7;0}
```

```
{if <<tutmac.wk3>>Mark7} {quit}
{if <<tutmac.wk3>>Mark6} {L6Steps7} {quit}
{if <<tutmac.wk3>>Mark5} {L6Steps6} {L6Steps7} {quit}
{if <<tutmac.wk3>>Mark4} {L6Steps5} {L6Steps6} {L6Steps7} {quit}
```

```
{if <<tutmac.wk3>>Mark3} {L6Steps4} {L6Steps5} {L6Steps6} {L6Steps7} {quit}
{if <<tutmac.wk3>>Mark2} {L6Steps3} {L6Steps4} {L6Steps5} {L6Steps6} {L6Steps7} {quit}
{if <<tutmac.wk3>>Mark1} {L6Steps2} {L6Steps3} {L6Steps4} {L6Steps5} {L6Steps6} {L6Steps7} {quit}
{L6Steps1}{L6Steps2} {L6Steps3} {L6Steps4} {L6Steps5} {L6Steps6} {L6Steps7} {quit}
```



L7Steps1

L7Steps2

L7Steps3

L7Steps4

L7Steps5

L7Steps6

L7Steps7

L7Steps8

```
{Query-New SALESDATA;B:B2;"Date>=01-Mar-93"}  
{Let <<tutmac.wk3>>Mark1;1}
```

```
{Edit-Goto "Query 1";;"query"}  
{Query-Criteria "Date>=01-Mar-93#and#Customer=""Wilson Stereo""}  
{Let <<tutmac.wk3>>Mark5;1}
```

```
{Edit-Goto "Query 1";;"query"}  
{Query-Criteria "Date>=01-Mar-93#and#(Customer=""Wilson Stereo""#or#Customer=""Babson Sound"")}  
{Let <<tutmac.wk3>>Mark6;1}
```

```
{Edit-Goto "Query 1";;"query"}  
{Query-Choose-Fields "Customer";"Amount"}  
{Let <<tutmac.wk3>>Mark7;1}
```

```
{Edit-Goto "Query 1";"Amount";"query"}  
{Query-Aggregate "sum";"Amount"}  
{Query-Show-Field "Amount";"Total Sales"}  
{Let <<tutmac.wk3>>Mark8;1}
```

L7Undo1 {onerror L7Undo2}  
{Edit-Goto "Query 1";;"query"}  
{Edit-Clear} {Edit-Goto A:A1}  
{Let <<tutmac.wk3>>Mark1;0}

L7Undo2

L7Undo3

L7Undo4

L7Undo5 {Edit-Goto "Query 1";;"query"}  
{Query-Criteria "Date">=01-Mar-93"}  
{Let <<tutmac.wk3>>Mark5;0}

L7Undo6 {Edit-Goto "Query 1";;"query"}  
{Query-Criteria "Date">=01-Mar-93#and#Customer=""Wilson Stereo""}  
{Let <<tutmac.wk3>>Mark6;0}

L7Undo7 {Edit-Goto "Query 1";;"query"}  
{Query-Choose-Fields "Date";"Invoice";"Due Date";"Customer";"Amount"}  
{Let <<tutmac.wk3>>Mark7;0}

L7Undo8 {Edit-Goto "Query 1";"Amount";"query"}  
{Query-Aggregate "reset";"Amount"}  
{Query-Show-Field "Amount";"Amount"}  
{Edit-Goto "Query 1";;"query"}  
{Let <<tutmac.wk3>>Mark8;0}

L7Undo9 {if <<tutmac.wk3>>Mark8} {quit}  
{if <<tutmac.wk3>>Mark7} {L7Steps8} {quit}

```
{if #not#<<tutmac.wk3>>Mark1}{L7Steps1}  
{L7Steps7}  
{L7Steps8}
```

L8Steps1	{Range-Version? "manager"} {Let <<tutmac.wk3>>Mark1;1}	L8Undo1
L8Steps2		L8Undo2
L8Steps3		L8Undo3
L8Steps4	{Edit-Goto B5} {Let <<tutmac.wk3>>Mark4;1}	L8Undo4
L8Steps5	{Edit-Goto NETSALES} {Let <<tutmac.wk3>>Mark5;1}	L8Undo5
L8Steps6	{Version-Show NETSALES;"Rapid Growth"} {Let <<tutmac.wk3>>Mark6;1}	L8Undo6
L8Steps7		L8Undo7
L8Steps8	{Version-Show SALARY;"Staffing Up"} {Let <<tutmac.wk3>>Mark8;1}	L8Undo8
L8Steps9	{Edit-Goto B12..D12} {Range-Name-Create COG} {Version-Create COG;"Q1 Actual";;"Actual Q1 Amounts"} {Let <<tutmac.wk3>>Mark9;1}	L8Undo9
L8Steps10	{Edit-Goto B12..D12} {Edit-Copy B5..D5} {Edit-Paste} {Version-Create COG;"Rapid Growth";;"Assumes COG grows 10% each month"} {Let <<tutmac.wk3>>Mark10;1}	L8Undo10
L8Steps11	{-- Range-Version? "off"} {Range-Version? "index"} {Let <<tutmac.wk3>>Mark11;1}	L8Undo11
L8Steps12		L8Undo12
L8Steps13		L8Undo13

```
L8Steps14  {Scenario-Show "First Quarter"}  
           {Let <<tutmac.wk3>>Mark14;1}
```

L8Undo14

L8Undo15

```
{Range-Version? "off"}  
{Let <<tutmac.wk3>>Mark1;0}
```

```
{Edit-Goto A1}  
{Let <<tutmac.wk3>>Mark4;0}
```

```
{Edit-Goto B5}  
{Let <<tutmac.wk3>>Mark5;0}
```

```
{Version-Show NETSALES;"Q1 Actual"}  
{Let <<tutmac.wk3>>Mark6;0}
```

```
{Version-Show SALARY;"Q1 Actual"}  
{Let <<tutmac.wk3>>Mark8;0}
```

```
{Version-Delete COG;"Q1 Actual"}  
{Range-Name-Delete COG}  
{Let <<tutmac.wk3>>Mark9;0}
```

```
{Version-Delete COG;"Rapid Growth"}  
{Let <<tutmac.wk3>>Mark10;0}
```

```
{-- Range-Version? "off"}  
{Range-Version? "manager"}  
{Let <<tutmac.wk3>>Mark11;0}
```

```
{Version-Show NETSALES;"Rapid Growth"}
{Version-Show SALARY;"Staffing Up"}
{Version-Show COG;"Rapid Growth"}
{Let <<tutmac.wk3>>Mark14;0}

{if <<tutmac.wk3>>Mark14} {quit}
{if <<tutmac.wk3>>Mark11} {L8Steps14} {quit}
{if <<tutmac.wk3>>Mark10} {L8Steps11} {L8Steps14} {quit}
{if <<tutmac.wk3>>Mark9} {L8Steps10} {L8Steps11} {L8Steps14} {quit}
{L8Steps9} {L8Steps10} {L8Steps11} {L8Steps14} {quit}
```

wpoff {windowsoff}  
{paneloff}

wpon {windowson}  
{panelon}

Mark1

Mark2

Mark3

Mark4

Mark5

Mark6

Mark7

Mark8

Mark9

Mark10

Mark11

Mark12

Mark13

Mark14

Mark15