

MCM TAPE TAPE-09.TXT

TAPE LABEL/ANNOTATIONS: "Copied from 0, Oct. 14
Manulife"

DATE CREATED: DEC. 15, 1978

GROUPS:

0 1 200 201

NAMES IN GROUP 0:

TAK ADD

∇R←A TAK B;Z;AA

- [1] @781201-GJR-OVERTAKE
- [2] →0×11=x/AA=ρR←((×A)×Z←(AA←|A)|ρB)↑B
- [3] EX:→CC°R←R_rX°→RB[10>1↑A°X←(|(1 0×AA)-ρR)ρ0°→CC[11↑AA≤ρR
- [4] RB:R←X_rR
- [5] CC:→0°R←R,X°→CB[10>1↓A°X←(|(0 1×AA)-ρR)ρ0°→0×11↓AA≤ρR
- [6] CB:R←X,R

∇

∇ADD

- [1] Y←'1234567890'+='°N←9+W←C←0
- [2] NEW:Z←Y[(?N),11,(?N),12]°→END[1N<C+W
- [3] AGN:→OK[1_u'(',(1↓Z),')=',(ρZ)↓□Z
- [4] 'WRONG, TRY AGAIN'°W←W+1
- [5] →AGN
- [6] OK:'GOOD, BRAVO, BON'°C←C+1
- [7] →NEW
- [8] END:'YOU ANSWERED ','(⊕C), ' RIGHT'
- [9] 'AND ','(⊕W), ' WRONG '

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NAMES IN GROUP 1:

ADD

∇ADD

- [1] Y←'1234567890 '°N←12+W←C←0
- [2] NEW:Z←(⊕S←?N),'+',(⊕T←?N), '='°→END[1N<C+W
- [3] AGN:→OK[1(S+T)=_uU°→AGN[1~Λ/(U←(ρZ)↓□Z)∈Y
- [4] 'WRONG, TRY AGAIN'°W←W+1
- [5] →AGN
- [6] OK:'RIGHT'°C←C+1
- [7] →NEW
- [8] END:'YOU ANSWERED ','(⊕C), ' RIGHT'
- [9] 'AND ','(⊕W), ' WRONG '

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NAMES IN GROUP 200:

FMT IPT ALC PTP MAT BIL BLE P PRW EDW PWA DIS
IAS

∇R←W FMT X;I;Y;Z E

- [1] @781130-GJR-FORMAT, INSERTING , 'S BETWEEN 1000'S
- [2] →VEC[1]=ρR←((W×Y←1↑1, ρX)ρZ)\((+/Z←φWp1 1 1 0), 0 0)⊗X
- [3] →0°R[;I+1]←' , '[I0+' ≠R[;I←, (((Z>0)∧Z<W)/Z←W-4×14)°.+W×Y]]
- [4] VEC:R[I+1]←' , '[I0+' ≠R[I←, (((Z>0)∧Z<W)/Z←W-4×14)°.+W×1+1Y]]

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∇IPTPINPUT;W;D;IND;MT2;VEC;TEB;TMAT;UMAT;I;MWA

- [1] @781201-GJR-PROCESS PTP INPUT DATA
- [2] TEB←+/W←+1 0;TMAT←1 0;MAT
- [3] VEC←(ALC÷1[+/TMAT)+.×TMAT
- [4] MWA←MAT[I←1;]
- [5] @DO BILLABLE
- [6] BLOOP:MT2←(2,BLE[I;1;1])↑0 1;BLE[I;;]
- [7] VEC[IND]←VEC[IND←MWA;MT2[1;]]+MT2[2;]×BILL[I]
- [8] →BLOOP[1(ρBILL)≥I←I+1
- [9] 'TOTAL EXPENSE BEFORE FOR ALL WA'S: ',16 FMT TEB
- [10] 'TOTAL EXPENSE AFTER FOR ALL WA'S: ',16 FMT(+/VEC)++/W
- [11] MAT←(DpMWA),[11](DpW),[11](D←1,ρVEC)ρVEC

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ALC [numeric vector of length 7; element size 1 byte(s)]
1 2 3 4 5 6 7

PTP [10 by 8 numeric array; element size 2 byte(s)]

6 8 83 280 281 740 750 760 770 780
95 804 773 799 180 38 334 35 439 388
40 585 366 899 286 141 805 613 566 824
372 550 741 126 100 390 577 714 142 811
699 730 442 408 152 119 495 474 678 624
244 54 872 838 82 440 228 707 853 227
39 173 702 708 80 22 27 352 556 828
291 543 10 87 544 351 354 296 784 310

MAT [10 by 3 numeric array; element size 8 byte(s)]

4E00000000000006 4E00000000000008 4E00000000000053 4E00000000000118
4E00000000000119 4E000000000002E4 4E000000000002EE 4E000000000002F8
4E00000000000302 4E0000000000030C
4E000000000005D1 4E00000000000B50 4E00000000000F38 4E00000000000EC2
4E00000000000370 4E0000000000047E 4E000000000009A2 4E00000000000B4F
4E00000000000CA2 4E00000000000E76
411C5DBD8215D2BC 412D3D8274807B60 44BA177CA13EA1AF 4454A94A0FCB573A
441FBFE51918F1B4 4441A5C848885840 4122F57C1706D5E1 41314351F2F24F94
4146C462FEA9968A 413C26644C99CF87

BIL [numeric vector of length 10; element size 3 byte(s)]
84751 54175 55527 63005 58896 51577 68020 87124 79505 40755

BLE [3 by 2 by 10 numeric array; element size 8 byte(s)]

∇R←P A;B;C;0

```
[1] @781216-GJR-PRINT WORK AREA DIRECTORY
[2] R←(18×B←ρ0←((ιρC)∈CιC)/C←A[;1])ρ0
[3] R[A[;2]+18×(-□I0)+0ιC]←A[;3]
[4] R←((B,1)ρ0),(B,18)ρR
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∇PRWNTWAD;HEAD;B;C;0;R;PAGE;I

```
[1] @781215-GJR-PRINT WORK AREA DIRECTORY
[2] @HEAD←READ 2 1
[3] HEAD[2;110+ι20]←20↑DATE,8↑PAGE←I←0◦HEAD←WAHEAD
[4] @R ← FORMAT OF WADIR FOR PRINTING
[5] R←(18×B←ρ0←((ιρC)∈CιC)/C←WADIR[;1])ρ0
[6] R[WADIR[;2]+18×(-□I0)+0ιC]←WADIR[;3]
[7] R←((B,1)ρ0),(B,18)ρR
[8] @LOOP TO PRINT IT
[9] PGLLOOP:HEAD
[10] HEAD[2;126+ι4]←4↑PAGE←PAGE+1
[11] 5↑R[I←(I≤1↑ρR)/I←I+ι40;]
[12] →PGLLOOP[ι(I←ι1↑I)<1↑ρR
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∇EDWAD;WA;I;Z

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[1] @781215-GJR-EDIT WORK AREA DIRECTORY
[2] MSGLEVEL DISPLAY EWADMSG A
[3] WALOOP:→END[ι0=ρ,WA←0 9999 1 IASK'ENTER WA NO: '
[4] 'ALLOCATIONS ARE: ',↑I←,0 1↓WACOMP←(WA=WADIR[;1])÷WADIR
[5] ERET:→WALOOP[ι0=ρI←,0 100 0 IASK'NEW ALLOCATIONS: '
[6] →ER1[ι0≠2|ρI
[7] →ER2[ι~Λ/(I←((|.5×ρI),2)ρI)[;1]∈ι18
[8] →ER3[ι100≠Z←+/I[;2]
[9] I←(0≠I[;2])÷I
[10] I←WA,I[ΔI[;1];]
[11] DELWA:WADIR←((WA>WADIR[;1])÷WADIR),[1]I,[1](WA<WADIR[;1])÷WADIR 0
[12] →WALOOP
[13] END:→0
[14] ER1:'MUST ENTER FIELD NO. AND PERCENT VALUES IN PAIRS'
[15] →ERET
[16] ER2:'FIELD NUMBERS MUST BE 1 TO 18'
[17] →ERET
[18] ER3:→DELWA[ιZ=1↑ρI←0 3ρ0
[19] 'PERCENTAGES ADD TO ',↑Z
[20] →ERET
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∇PWA

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VMSGL DISPLAY PROMPT

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[1] @781121-GJR-DISPLAY USER PROMPTS
[2] I←((MMSGL)=PROMPT[;IIO])≠0 1↓PROMPT
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▽

VR←M IASK DIS;Y

```
[1] @781215-GJR-ASK FOR INTEGER NUMERIC DATA
[2] @M[1 2] ↔ MINIMUM, MAXIMUM INTEGER, M[3] ↔ RHO
[3] @→0×10=ρ,Y←(ρDIS)↓I,0ρI←DIS←,DIS,R←10
[4] →0×10=ρ,Y←(ρDIS)↓I DIS←,DIS◦R←10
[5] →ED[10=λ/Y∈'0123456789 -']
[6] →EE[1(0≠1↑M)∧1↑M≠ρ,R←Y
[7] →0×1(λ/R≥1↑M)∧(λ/R≤M[IIO+1])v0=+/2↑M
[8] ER:'RESPONSE OUT OF RANGE: ',I2↑M
[9] →1
[10] ED:'DATA ENTERED NOT NUMERIC'
[11] →1
[12] EE:'NUMBER OF ELEMENTS ≠ ',I2↑M
[13] →1
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▽

NAMES IN GROUP 201:

MSG WAH WAC WAD DAT EWA

MSG [numeric scalar: element size=1 byte(s)]

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WAH [130 by 4 array of type char; element size 1 byte(s)]

WAC [3 by 0 numeric array; element size 1 byte(s)]

WAD [3 by 9 numeric array; element size 1 byte(s)]

```
1 2 40
1 4 60
3 1 25
3 6 40
3 10 35
5 6 50
5 18 50
6 4 55
6 15 45
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DAT [vector of type char of length 13; element size 1 byte(s)]

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EWA [25 by 3 array of type char; element size 1 byte(s)]
3EDIT WORK AREA DIRECTORY
3FIELDS ARE: ETC.
3NUMBERS ARE: ETC