

MCM TAPE TAPE-08.TXT

TAPE LABEL/ANNOTATIONS: "TB  
MCM  
LIB/70  
100"

DATE CREATED: May 1975

GROUPS:  
0 1 100 101

NAMES IN GROUP 0:

ΔPΔ ΔQΔ

ΔPΔ [7 by 3 array of type char; element size 1 byte(s)]  
MCM  
LIB/70  
LISTER

ΔQΔ [4 by 3 numeric array; element size 3 byte(s)]

750529 100 750529 0  
100 100 750529 0  
101 100 750528 0

NAMES IN GROUP 1:

ΔGΔ ΔSΔ ΔDΔ ΔCΔ ΔFΔ ΔNΔ ΔOΔ ΔUΔ ΔIΔ ΔAΔ ΔYΔ ΔTΔ  
ΔXΔ ΔWΔ ΔJΔ ΔΔΔ Δ\_Δ

∇ΔGΔ Δ0Δ;Δ1Δ

- [1] →0·[ ]'NO! FN ACTIVE' →2[ι1=ρ[ ]LC
- [2] 1 [ ]XC [ ]FN·1 [ ]XC [ ]VA·[ ]XS 0
- [3] 1 [ ]XD Δ1Δ·1 [ ]XC Δ1Δ←[ ]XN 0
- [4] 1 [ ]XD Δ1Δ←[ ]XN 1·1 [ ]XD'Δ0Δ Δ9Δ'
- [5] →0×ι0=ρΔ0Δ←,Δ0Δ·[ ]EX Δ1Δ
- [6] →0·[ ]XS Δ0Δ·→Δ9Δ[ι1≠ρΔ0Δ←ΔFΔ Δ0Δ
- [7] Δ9Δ:→0·[ ]'NOT FOUND'

∇

∇ΔSΔ Δ1Δ;Δ0Δ;Δ2Δ

- [1] →0·[ ]'NO! FN ACTIVE' →2[ι(1=ρ[ ]LC)v0=[ ]XV
- [2] →Δ9Δ[ι0=0\0ρΔ1Δ←,Δ1Δ
- [3] →Δ5Δ[ι1=1↑ρΔ0Δ←ΔYΔ Δ1Δ,(0=ρΔ1Δ)/[ ]XV
- [4] →Δ8Δ[ι0≠1↑ρΔ0Δ
- [5] Δ0Δ←4++/Δ2Δ←Δ2Δ=(ιρΔ2Δ←2ιΔ\_Δ[;[ ]IO])+4-[ ]IO
- [6] Δ2Δ←1 1,(Δ2Δ,0)v0,~Δ2Δ·→Δ7Δ[ι99<Δ0Δ
- [7] Δ2Δ←Δ2Δι0·ΔΔΔ←Δ2Δ·ΔΔΔ·Δ\_Δ←Δ2Δ·Δ\_Δ
- [8] Δ0Δ←Δ0Δ,0,Δ\_Δ[ [ ]IO; [ ]IO ],11,Δ2Δ
- [9] Δ\_Δ[Δ2Δ;]←4↑Δ0Δ·ΔΔΔ[Δ2Δ;]←7↑Δ1Δ,7ρ' '

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[10] Δ5Δ:→Δ8Δ[ι□XVΛ.≠0,1↑Δ0Δ←,Δ0Δ
[11] →Δ6Δ[ι~2|1↑3↓Δ0Δ◦→Δ8Δ[ι(1↑Δ0Δ)∈0 1 2 3 100 101
[12] →0×ι7≠8|Δ Δ[~1↑Δ0Δ;3+□I0]◦ΔJΔ Δ0Δ
[13] →0◦□'UPDATE RECOMENDED'
[14] Δ8Δ:→0◦□'NOT SAVED-THIS IS ',,1 0↓ΔΔΔ[1,~1↑,ΔYΔ □XV;]
[15] Δ9Δ:→0◦□'ILLEGAL NAME'
[16] Δ7Δ:→0◦□'NOT SAVED-DIRECTORY FULL'
[17] Δ6Δ:→0◦□'NO! WS NOT ON WORKING TAPE' N

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▽

▽ΔΔΔ Δ0Δ;Δ1Δ

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[1] →0◦□'NO! FN ACTIVE'◦→2[ι1=ρ□LC
[2] →Δ9Δ[ι0=0\0ρΔ0Δ
[3] →0×ι1≠1↑ρΔ0Δ←ΔYΔ Δ0Δ
[4] →Δ9Δ[ι(1↑Δ0Δ←,Δ0Δ)∈0 100
[5] →0×ι'Y'≠1↑□I0□'Y=>DROP ',,ΔΔΔ[~1↑Δ0Δ;]
[6] Δ1Δ[~1↑Δ0Δ]←0◦Δ1Δ←(1↑ρΔ_Δ)ρ1
[7] ΔΔΔ←Δ1Δ≠ΔΔΔ◦Δ Δ←Δ1Δ≠Δ Δ
[8] ◦⊥(□XV=Δ0Δ←1↑Δ0Δ)/'□XS 0'
[9] →0◦□EX ΔNΔ 2 3◦Δ0Δ □XD □XN Δ0Δ
[10] Δ9Δ:→0◦□'INVALID NAME'

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▽Δ0Δ ΔCΔ Δ1Δ 1

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[1] →0×ι1≠ρΔ0Δ←ΔFΔ Δ0Δ
[2] Δ1Δ←□XN Δ0Δ◦→Δ9Δ[ι0≠ρΔ1Δ
[3] Δ9Δ:Δ0Δ □XR Δ1Δ 0

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▽

▽Δ4Δ←ΔFΔ Δ0Δ;Δ1Δ;Δ2Δ;Δ3Δ;ΔPΔ;ΔQΔ

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[1] →0×ι0=1↑ρΔ0Δ←ΔYΔ Δ0Δ◦Δ4Δ←ι0
[2] Δ4Δ←(Δ1Δ←2|Δ0Δ[;3+□I0])/Δ0Δ[;□I0]
[3] →0×ι0=1↑ρΔ0Δ←(~Δ1Δ)≠Δ0Δ
[4] →Δ9Δ[ιV/(Δ1Δ←8|Δ0Δ[;3+□I0])∈2 6 ∈1
[5] Δ7Δ:→0×ι0=Δ1Δ←|ΔTΔ-Δ0Δ[□I0;1+□I0]
[6] Δ1Δ←Δ1Δ=Δ0Δ[;1+□I0]
[7] Δ4Δ←Δ4Δ,Δ2Δ←Δ1Δ/Δ0Δ[;□I0]
[8] Δ8Δ:Δ3Δ←□XN[1+□I0]1↑Δ2Δ
[9] (1↑Δ2Δ)□XR[1+□I0]Δ3Δ←(ΔXΔ Δ3Δ)≠Δ3Δ
[10] →Δ8Δ[ι0≠ρΔ2Δ←1↓Δ2Δ◦□EX Δ3Δ◦(1↑Δ2Δ)□XW Δ3Δ
[11] Δ2Δ←Δ1Δ/Δ0Δ[;4+□I0]◦□XF[1+□I0]ι0
[12] Δ Δ[Δ2Δ;3+□I0]←Δ Δ[Δ2Δ;3+□I0]+1
[13] →Δ7Δ◦→0×ι0=1↑ρΔ0Δ←(~Δ1Δ)≠Δ0Δ
[14] Δ9Δ:2 12ρ'LIB/70 ERRORGROUP ERROR '◦□PT←0
[15] 5 0 0⊕(Δ1Δ∈2 6)≠Δ0Δ[;,□I0],Δ1Δ◦.÷,2

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▽

▽Δ1Δ←ΔNΔ Δ2Δ

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[1] 1 □XC □FN◦→2[ι~3∈Δ2Δ◦1 □XC □XN 0
[2] 1 □XC Δ2Δ←(ΔXΔ Δ2Δ)≠Δ2Δ←□VA◦→3[ι~2∈Δ2Δ
[3] 1 □XD Δ1Δ←□XN 1◦1 □XD □XN 0

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▽

∇Δ0Δ;A

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[1]  OFF
[2]  32MCM/APL - LIB/70 - ',ΔΔΔ[IO;]
[3]  A←(8ρ1 1 0)\6 0 0,1 1↑Δ_Δ
[4]  A←10016↓(IO+13)'DATE: ',A
[5]  Δ_Δ[IO;IO]←|1E6|A
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∇

∇ΔUΔ;Δ0Δ;Δ1Δ;Δ2Δ;Δ3Δ;Δ4Δ;ΔPΔ;ΔQΔ

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[1]  →0.'NO! FN ACTIVE'→2[ι1=1↑ρSI
[2]  →0.'NO! GROUP ACTIVE'→3[ι0=XVΔ3Δ←0
[3]  Δ6Δ:Δ0Δ←0 0,1=8|2↓Δ_Δ[;3+IO]
[4]  Δ_Δ[;3+IO]←Δ_Δ[;3+IO]-Δ0Δ
[5]  →Δ9Δ[ι0=ρΔ0Δ←Δ0Δ/Δ_Δ[;IO]
[6]  →LC[ι0≠ρΔ0Δ←1↓Δ0Δ◦(1↑Δ0Δ)XD XN 1↑Δ0Δ
[7]  Δ9Δ:Δ2Δ←0 0,2↓Δ_Δ[;1+IO]◦Δ1Δ←Δ_Δ[;3+IO]
[8]  Δ3Δ←|/(Δ0Δ∧Δ2Δ>1E3|Δ3Δ)/Δ2Δ◦Δ0Δ←0≠8|Δ1Δ
[9]  →Δ5Δ[ι~v/Δ2Δ←Δ2Δ=Δ3Δ
[10] Δ1Δ←Δ2Δ∧5=8|Δ1Δ◦Δ0Δ←Δ2Δ∧3=4|Δ1Δ
[11] Δ7Δ:→Δ8Δ[ι0≠ΔTΔ Δ3Δ
[12] →Δ9Δ◦→Δ5Δ[ι'Y'≠1↑IO]'Y=>NEXT TAPE'
[13] Δ8Δ:ΔWΔ Δ0Δ/Δ_Δ[;IO]
[14] →2+LC[ι1E3<Δ3Δ◦Δ4Δ←Δ0Δ/ιρΔ0Δ←Δ0ΔvΔ1Δ
[15] Δ_Δ[Δ4Δ;3+IO]←(8×8≤Δ_Δ[Δ4Δ;3+IO])+Δ0Δ/5-Δ1Δ
[16] ◦(1E3<Δ3Δ)'/Δ_Δ[Δ4Δ;3+IO]←Δ_Δ[Δ4Δ;3+IO]-4'
[17] ΔPΔ←(1,1↓Δ2Δ)≠ΔΔΔ◦ΔQΔ←(1,1↓Δ2Δ)≠Δ_Δ
[18] 0 XW[1+IO]'ΔPΔ ΔQΔ'◦ΔQΔ[IO;1+IO]←Δ3Δ
[19] ◦(1E3>Δ3Δ)'/ΔFΔ Δ1Δ/Δ_Δ[;IO]'
[20] Δ4Δ←(Δ4Δ=4[199|Δ4Δ)/Δ4Δ←XN[IO+1]ι0
[21] →3+LC[ι0=ρΔ4Δ←(~Δ4Δ∈ΔQΔ[;IO])/Δ4Δ
[22] (1↑Δ4Δ)XD[1+IO]XN[1+IO]1↑Δ4Δ
[23] →1+LC[ι0≠ρΔ4Δ←1↓Δ4Δ
[24] XF[1+IO]ι0
[25] →Δ6Δ◦→Δ7Δ[ι1E3<Δ3Δ←|2E3|1E3+Δ3Δ
[26] Δ5Δ:→3+LC[ι~v/Δ1Δ←(8|2↓Δ_Δ[;3+IO])∈2 4 6
[27] 'LIB/70 ERROR'◦PT←0
[28] 7 0 0(1 1,Δ1Δ)≠Δ_Δ
[29] →0×ι~v/Δ1Δ←0=2↓Δ_Δ[;1+IO]
[30] ◦'GROUPS ONLY ON TAPE 0:'
[31] ◦[0 0 0Δ1Δ/2↓Δ_Δ[;IO]
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∇ΔIΔ Δ0Δ;Δ1Δ

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[1]  →Δ9Δ[ι0=ρΔ0Δ←,Δ0Δ
[2]  Δ1Δ←(ΔYΔ Δ0Δ)[;4+IO]
[3]  →0◦ΔΔΔ[Δ1Δ;],(4 5 8 3◦.×1 0 0)Δ_Δ[Δ1Δ;]
[4]  Δ9Δ:◦'MCM/APL - LIB/70 ',(8ρ1 1 0)\6 0 0,1 1↑Δ_Δ
[5]  ◦'INDEX TO LIBRARY: ',ΔΔΔ[IO;]◦'
[6]  ◦' NAME GROUP TAPE DATE STATUS'◦'
[7]  ◦''◦(25ρ' '), '3210'
[8]  ◦((1 0↓ΔΔΔ),((4 5 8◦.×1 0 0)1 1↓Δ_Δ),(4 1ρ2 1 1 1)Δ(4ρ2)τ,1 3↓Δ_Δ 1
[9]  ◦'BIT STATUS'◦'
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- [10] □←' 0 WS PRESENT ON VOL. 0'
- [11] □←' 1 LIB VERSION NOT CURRENT'
- [12] □←' 2 LIB VERSION ≠ BACK-UP VERSION'
- [13] □←' 3 WS NOT LISTED SINCE LAST SAVE'

▽

▽Δ4Δ ΔΔΔ Δ0Δ;Δ1Δ;Δ2Δ;Δ3Δ

- [1] →0°□'NO! FN ACTIVE' °→2[ι1=ρ□LC
- [2] →0°□'NO! GROUP ACTIVE' °→3[ι0=□XV
- [3] →2+□LC[ι(ρΔ4Δ←,Δ4Δ)v.=1,ρΔ0Δ←,Δ0Δ
- [4] →0°□'LENGTH ERROR'
- [5] →Δ6Δ[ι~v/Δ1Δ←~Δ0Δ∈□XN[1+□I0]ι0
- [6] →0°□'GROUPS ',(¯Δ1Δ/Δ0Δ),' MISSING'
- [7] Δ6Δ:→Δ9Δ[ι0≠0\0ρΔ0Δ°→0×ι0=ρΔ0Δ
- [8] Δ2Δ←□I0°□'ENTER WS NAMES'
- [9] Δ1Δ←((ρΔ0Δ),7)ρ' '°Δ4Δ←(ρΔ0Δ)ρΔ4Δ
- [10] Δ8Δ:Δ1Δ[Δ2Δ;]←7↑(4ι□(3 0 0¯Δ0Δ[Δ2Δ]),':'),7ρ' ' '
- [11] →Δ5Δ[ι0=+/ρΔYΔ Δ1Δ[Δ2Δ;]
- [12] →Δ8Δ°□'DUPLICATE OR ILLEGAL NAME'
- [13] Δ5Δ:→Δ8Δ[ι(Δ2Δ←1+Δ2Δ)≤□I0+¯1+ρΔ0Δ
- [14] Δ7Δ:Δ2Δ←4++/Δ3Δ←Δ3Δ=(ιρΔ3Δ←2ιΔ\_Δ[;□I0])+4-□I0
- [15] Δ3Δ←1 1,(Δ3Δ,0)v0,~Δ3Δ°→Δ5Δ[ι99<Δ2Δ
- [16] Δ3Δ←Δ3Δι0°ΔΔΔ←Δ3Δ~ΔΔΔ°Δ\_Δ←Δ3Δ~Δ\_Δ
- [17] Δ\_Δ[Δ3Δ;]←Δ2Δ,(1↑Δ4Δ),Δ\_Δ[□I0;□I0],15°ΔΔΔ[Δ3Δ;]←,1 7↑Δ1Δ
- [18] Δ3Δ←(ΔXΔ Δ3Δ)¯Δ3Δ←□XN[1+□I0]1↑Δ0Δ°□XS 0
- [19] □XS Δ2Δ°Δ2Δ □XC Δ3Δ
- [20] □XS 0°(1↑Δ0Δ)□XR[1+□I0]Δ3Δ
- [21] →Δ7Δ[ι0≠ρΔ0Δ←1ιΔ0Δ°Δ1Δ←1 0ιΔ1Δ°Δ4Δ←1ιΔ4Δ
- [22] →0°□XF[1+□I0]ι0
- [23] Δ9Δ:→0°□'NOT IMPLEMENTED'
- [24] Δ5Δ:→0°□'NOT SAVED-DIRECTORY FULL'

▽

▽R←ΔYΔ X

- [1] →N[ι0=0\0ρX←,X
- [2] →E1[ι(4=□NC X)v' '=1↑X←(2[7|ρX)↑X,7ρ' ' '
- [3] →E[ι0=ρR←R/ιρR←ΔΔΔ[;□I0]=1↑X
- [4] R←(ΔΔΔ[R;1+ιρX]λ.=X←1ιX)/R
- [5] →0°R←Δ\_Δ[R;],R°.,0°→E[ι1≠ρR
- [6] E:→ρR←(0,2|ρR)ρ0
- [7] E1:→ρR←0 4ρ0
- [8] N:R←1+Rι(X∈R←1ιΔ\_Δ[;□I0])/X
- [9] R←(1 0ιΔ\_Δ[1,R;]),R°.,0
- [10] R←0 1ρ0°→0×ι(ρX)=1↑ρR

▽

▽R←ΔTΔ X;0

- [1] R←4 1≥8|¯1↑□OU 201°0←1↑□OUι0
- [2] →M[ι0=R←¯1 2+.×R°□OU 0
- [3] R←R×v/(□XN[1+□I0]0)λ.='ΔPΔ '
- [4] 0 □XR[1+□I0]'ΔPΔ ΔQΔ' °→M[ι0=R
- [5] 0←2 7ρΔΔΔ[□I0;],' MCM '
- [6] R←R×v/0λ.='ΔPΔ[□I0;]

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[7] R←R×ΔQΔ[⊠I0;1+⊠I0]
[8] M:→0×ι0≠R←R×(RΛ.=X)VRΛ.=|X
[9] →0×ι0=x/ρX∘⊠XF[1+⊠I0]ι0
[10] 0←(⊠|X),(X>0)/' WRITE ENABLED'
[11] →1[ι'Y'=1↑⊠I0]Y=>MOUNT VOL ',0

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▽

▽R←ΔXΔ N

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[1] →0×ιΛ/R←N[;⊠I0+0 2]v.≠'Δ'
[2] R←Rv~N[;⊠I0+1]∈'0123456789',~1↓⊠SI[;⊠I0+1]

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▽

▽ΔWA Δ2Δ;Δ1Δ;Δ3Δ;Δ4Δ

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[1] ⊠XS 0∘Δ3Δ←⊠I0→0×ι0=ρΔ2Δ←(0≠Δ2Δ)/Δ2Δ
[2] Δ9Δ:Δ1Δ←(ΔXΔ Δ1Δ)≠Δ1Δ←⊠XN Δ2Δ[Δ3Δ]
[3] Δ4Δ←⊠I0∘⊠XS 1∘1 ⊠XC Δ1Δ∘→Δ7Δ[ι0=1↑ρΔ1Δ
[4] Δ8Δ:Δ2Δ[Δ3Δ]⊠XR Δ1Δ[Δ4Δ;]
[5] Δ2Δ[Δ3Δ]⊠XW[1+⊠I0]Δ1Δ[Δ4Δ;]
[6] →Δ8Δ[ι(Δ4Δ←1+Δ4Δ)≤⊠I0+~1+1↑ρΔ1Δ∘⊠EX Δ1Δ[Δ4Δ;]
[7] Δ7Δ:1 ⊠XC ⊠XN[1+⊠I0]Δ2Δ[Δ3Δ]∘⊠XS 0
[8] 1 ⊠XD Δ1Δ←⊠XN 1∘1 ⊠XD Δ1Δ
[9] Δ2Δ[Δ3Δ]⊠XD[1+⊠I0]Δ1Δ
[10] →Δ9Δ[ι(Δ3Δ←1+Δ3Δ)≤⊠I0+~1+ρΔ2Δ

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▽

▽ΔJA Δ0Δ;Δ1Δ;Δ2Δ;ΔPA;ΔQA

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[1] Δ1Δ←(0≠⊠XV)≠(0=⊠NC Δ1Δ)≠Δ1Δ←⊠XN ⊠XV
[2] 1 ⊠XC ⊠XN ⊠XV∘1 ⊠XC ⊠FN∘1 ⊠XC ⊠VA
[3] 1 ⊠XD ⊠XN 0∘1 ⊠XC ⊠XN 0∘1 ⊠XD ⊠XN ⊠XV
[4] Δ2Δ←(ΔXΔ Δ2Δ)≠Δ2Δ∘1 ⊠XD Δ2Δ←⊠XN 1
[5] (1↑Δ0Δ)⊠XD Δ1Δ∘⊠XS 0∘→Δ9Δ[ι0=1↑(ρΔ1Δ)+ρΔ2Δ
[6] ⊠XS 1↑Δ0Δ∘(1↑Δ0Δ)⊠XW Δ2Δ
[7] Δ9Δ:Δ0Δ[2 3+⊠I0]←Δ Δ[⊠I0;⊠I0],11+4×4≤8|1↑3↓Δ0Δ
[8] Δ Δ[~1↑Δ0Δ;]←1 4ρΔ0Δ
[9] ΔWA 1↑Δ0Δ∘→Δ8Δ[ι1 1E3=.>Δ1Δ←ΔTΔι0
[10] Δ0Δ[1+⊠I0]←Δ1Δ
[11] Δ2Δ←1,(1↑Δ0Δ)≠1↓ΔQΔ[;⊠I0]
[12] ΔPA←Δ2Δ≠ΔPA∘ΔQΔ←Δ2Δ≠ΔQΔ
[13] ΔQΔ←ΔQΔ~1 4ρΔ0Δ∘Δ0Δ[3+⊠I0]←13
[14] ΔPA←ΔPA~ΔΔΔ[~1↑Δ0Δ;]∘ΔPA[⊠I0;]←ΔΔΔ[⊠I0;]
[15] 0 ⊠XW[1+⊠I0]'ΔPA ΔQΔ'
[16] Δ Δ[~1↑Δ0Δ;]←1 4ρΔ0Δ
[17] Δ8Δ:⊠XS 1↑Δ0Δ∘⊠XF[1+⊠I0]ι0

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▽

ΔΔΔ [7 by 4 array of type char; element size 1 byte(s)]

MCM  
CLEAR  
LIB/70  
LISTER

$\Delta \Delta$  [4 by 4 numeric array; element size 3 byte(s)]  
 750529 0 750530 0  
 0 0 750529 1  
 100 100 750529 0  
 101 100 750528 0

NAMES IN GROUP 100:  
 IWT ILT

$\nabla$ IWT;NMS

[1] °'COPYRIGHT - MCM 1975'  
 [2] →0°'WRONG PROCEDURE' °→3[ι0=ρ,°XV  
 [3] (ι0)°XI 0  
 [4] 0 °XC NMS←°XN[1+°I0]1  
 [5] 1 °XR[1+°I0]NMS°XS 0  
 [6] L1:NMS←6↑(10↓(10+°I0)°'LIB NAME: | |||'),6ρ' '  
 [7] →L1°'ILLEGAL NAME' °→L2[ιNMSv.≠'MCM '  
 [8] L2:ΔΔΔ[°I0;]←' ',NMS 1  
 [9] Δ Δ[°I0;°I0]←|1E6|100↓±6↓(6+°I0)°'DATE: YY MM DD'  
 [10] °'DO °WC' °°XFι0°°XF[1+°I0]ι0

$\nabla$

$\nabla$ ILT;Δ0Δ;Δ1Δ;ΔPΔ;ΔQΔ

[1] °'COPYRIGHT MCM 1975'  
 [2] →0°'WRONG PROCEDURE' °→3[ι2=°NC'ΔΔΔ'  
 [3] Δ1Δ←1+[(Δ1Δ<100)/Δ1Δ←Δ Δ[;1+°I0]  
 [4] Δ7Δ:°'MOUNT TAPE'  
 [5] °°OU Δ0Δ°→Δ8Δ[ι1<8|\_1↑°OU 201°Δ0Δ←1↑°OUι0  
 [6] Δ0Δ←±8↓(12+°I0)°'TAPE NO.',5 0 0°Δ1Δ  
 [7] →Δ9Δ[ι(0≠1|Δ0Δ)v99<1E3|Δ0Δ  
 [8] →Δ9Δ[ι(9099<Δ0Δ)v1≠x/ρΔ0Δ  
 [9] ΔQΔ[°I0;1+°I0]←Δ0Δ°ΔQΔ←1 4↑Δ Δ  
 [10] ΔPΔ←1 7↑ΔΔΔ  
 [11] (ι0)°XI[1+°I0]0°°XF[1+°I0]ι0  
 [12] 0 °XW[1+°I0]'ΔPΔ ΔQΔ'  
 [13] →Δ7Δ[ι1E3<Δ1Δ←2E3|1E3+Δ1Δ°°XF[1+°I0]ι0  
 [14] Δ9Δ:→0°'INVALID TAPE NO.'  
 [15] Δ8Δ:→0°'NO TAPE' °°OU Δ0Δ

$\nabla$

NAMES IN GROUP 101:  
 EJA RLA MMA PPA HQ ΔLA PRA DIA

$\nabla$ EJACT

[1] PLA[°I0]←0°°←((PSΔ[1+°I0]-1↑PLΔ),1)ρ' '  
 $\nabla$

∇RLΔ N

- [1] →NT[ι0≠1↑PLΔ
- [2] PT:←TTΔ, ((ρTTΔ)-□PW)↑(□PWρ' '), ' PAGE ',0 0 0φ1↓PLΔ
- [3] PLΔ←PLΔ+2 1□←''
- [4] NT:→(PSΔ[□IO]<N+2, 1↑PLΔ)/0, NP
- [5] →0°PLΔ←PLΔ+N, 0
- [6] NP:→PT°N←0°PLΔ[□IO]←N°EJΔCT

∇

∇R←MMΔ X

- [1] →TE[ι2=ρρR←X
- [2] R←((×/ι1↓ρX), ι1↑1, ρX)ρX
- [3] TE:→0×ι0≠ι1↑ρR
- [4] R←R, 0\0ρX

∇

∇N PPΔ X; I; M; NR; P

- [1] I←0°N←1↑N°M←ι1↑N°P←1↑PSΔ
- [2] LP:→0×ι0=NR←(N-I) | [(P-P| 1↑PLΔ) ÷M
- [3] □←X[I+ιNR; ]°RLΔ NR×M
- [4] →LP°I←I+NR 4]

∇

∇R←HQ

- [1] R←1
- [2] LP:→OK[ι66=1↑1↓□OU R
- [3] →0°□OU 0°→LP[ι0≠R←10|R+1
- [4] OK:°□OU R, 16

∇

∇RΔ←ΔLΔ GND; EΔ; GΔ; IΔ; MΔ; NΔ; NMD; PLΔ; PSD; TTA

- [1] GND←GND, (0=×/ρGND)/(8≤2↓Δ\_Δ[; 3+□IO])/2↓Δ\_Δ[; □IO]
- [2] →EXΔ[ι0=ρGND←ΔFΔ GND
- [3] →0×ι0=IΔ←HQ
- [4] →0×ι~2|ι1↑□OU IΔ, 64°□BO 120
- [5] 'POSITION PAPER'°□PT←200°PSΔ←48 51, □PW←80
- [6] LGΔ:NΔ←×/ρNMD←□XN GΔ←1↑GND°PLΔ←0 1
- [7] TTA←6 0 0φΔ\_Δ[MΔ←''ρφΔYΔ GΔ; 2+□IO]
- [8] TTA←' (' , (φGΔ), ') SAVED: ', (9ρ0 1 1)\TTA
- [9] TTA←'GROUP: ', ΔΔΔ[□IO; ], ' ', ΔΔΔ[MΔ; ], TTA
- [10] IΔ←□IO°'CONTENTS: 'PRANT(1, NΔ)ρNMD
- [11] LND:EΔ←(~GΔ∈0, □XV)/NΔ←NMD[IΔ; ]
- [12] →DND[ι(□NC EΔ)∈0 4
- [13] →END°(NΔ, ':')PRANT '\*\*\* CONFLICT \*\*\*'
- [14] DND:□EX EΔ°DIΔSP NΔ°GΔ □XR EΔ
- [15] END:→LND[ι(□IO+1↑ρNMD)>IΔ←IΔ+1
- [16] Δ\_Δ[MΔ; 3+□IO]←8|Δ\_Δ[MΔ; 3+□IO]
- [17] →LGΔ[ι0<ρGND←1↓GND°EJΔCT
- [18] EXΔ:RΔ←'END OF LIST'
- [19] □PT←0°□OU(1↑□OUι0), 7×32

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∇P1 PRANT P2;N;R1;R2
[1] R1←[(ρP1←MMΔ P1)÷1,□PW
[2] R2←[(ρP2←MMΔ P2)÷1,□PW SP
[3] →SP[ιPSΔ[□IO]<N←1+(×/R1)+×/R2
[4] →0◦□←''◦□←P2◦□←P1◦RLΔ N
[5] SP:RLΔ 5◦RLΔ 5
[6] R2 PPA P2◦R1 PPA P1
[7] □←''◦RLΔ 1

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∇DIΔSP XΔ;DΔ;NΔ;TΔ
[1] →ERΔ[ι1≠1↑1,1↓ρXΔ
[2] →(NVΔ,VΔΔ,VΔΔ,FNΔ,ERΔ,A2Δ)[□IO+□NC XΔ]
[3] ERΔ:+'INVALID NAME'
[4] NVΔ:→0◦(XΔ,':') PRANT '** NO VALUE **'
[5] A2Δ:→0◦(XΔ,':') PRANT '** α2 **'
[6] VΔΔ:TΔ←(',(ϕρDΔ),((0≠0\0ρDΔ←XΔ)/',''),')'
[7] →0◦(XΔ,TΔ,':') PRANT DΔ←ϕDΔ
[8] FNΔ:NΔ←1↑ρDΔ←□CR XΔ
[9] TΔ[;□IO]←']'◦TΔ←5 0 0ϕ(ιNΔ)◦.-,□IO
[10] TΔ[;□IO]←'['◦TΔ←(5-(TΔ≠'')11)ϕTΔ
[11] TΔ[□IO;]←' ∇'◦DΔ[□IO;□IO]←' '
[12] ◦XΔ←'TΔ←(1 0×ρDΔ)ρ''''◦DΔ←TΔ,DΔ'
[13] DΔ PRANT ' ∇ '

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