



AT&T
Bell Laboratories

600 Mountain Avenue
Murray Hill, New Jersey 07974
Phone (201) 582-3000

May 14, 1984

Ms. Diane Taylor
Room E3K27
P.O. Box 25000
Greensboro, NC 27420

Dear Diane:

Enclosed please find various items - about mathematical software libraries other than PORT - in three categories:

- (1) Prices - current prices charged by IMSL and by NAG. Note that the quotes are per year which is why people flinch and do not understand PORT's previous "one-time" charge.
- (2) Legal - for your lawyers - contract problems we've had in acquiring other libraries.
- (3) Micros - the NAG PC50 offering and the "Scientific Desk" from Ed Battiste's company C. Abaci. Ed was with IMSL.

So far as PORT 3 goes, I think your suggestion of \$1,000/year (one-time charge of \$5,000) is ok. As we noted, PORT does not have statistics and will have to compete mainly with NAG, which is larger and quite good and not that much more money. NAG has a substantial staff and offers good support as well as optional on-line documentation, graphics, etc.

The upgrade price of \$300/year (one-time charge of \$1,500) also seems appropriate.

For universities, which are educating our future market, I suppose the \$400 has to stand. But an upgrade price of \$80 "rewarding" our early and loyal users would be splendid.

So far as micro or personal computers go, I think it is perhaps premature to set a figure; but I have included prices for two libraries, NAG PC50 and "The Scientific Desk", for your information and reflection.

What are we going to do about prices for additional CPU's at a site and about embedding? With regard to the latter, do your lawyers or the ones up here resolve the issues?

Well, many questions here and more to come; but as ever, we appreciate your interest in our product and its promotion.

Very best,



Phyl Fox

Encls.
As above

Copy to
N. L. Schryer - AT&T-BTL



Guilford Center
P. O. Box 25000
Greensboro, NC 27420

May 11, 1984

MS. PHYLLIS FOX
AT&T Bell Laboratories
600 Mountain Avenue
Murray Hill, New Jersey 07974

Dear Phyllis:

Find attached the list of academic and commercial licenses of
PORT and POST I've promised you for months. I appreciate
your patience.

Sincerely,

A handwritten signature in cursive script that reads "Diane".

DIANE H. TAYLOR
District Manager
Technology Licensing

Attachment

| | |
|-----------------|----------|
| 6 Commercial | 5 sites |
| 171 Educational | 82 sites |

LIST OF SOFTWARE AS APPEARS IN THE LICENSE DATA BASE

AS OF 01-31-84
 1. COMMERCIAL
 PORT PROGRAM

| | | | | | | | | | | | | |
|------|---|---|---|-----|----------|---------|---------|--|--|--|--|-------|
| D665 | GTE CORPORATION | | | | | | | | | | | D6652 |
| 113 | EFF.DATE- | / | / | CVI | RESP-WRG | NEG-OLW | TOTAL=1 | | | | | |
| F335 | MICROTEL PACIFIC RESEARCH LIMITED | | | | | | | | | | | F3350 |
| 022 | EFF.DATE-06/01/82 | | | CVI | RESP-WRG | NEG-RHF | TOTAL=1 | | | | | |
| H984 | TELECOMMUNICATION LABORATORIES MINISTRY OF COMMUNICATIONS-CHINA | | | | | | | | | | | H9841 |
| 088 | EFF.DATE-04/01/79 | | | CVI | RESP-WRG | NEG-OLW | TOTAL 1 | | | | | |
| N583 | UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH | | | | | | | | | | | N5830 |
| 111 | EFF.DATE-11/01/78 | | | CVI | RESP-WRG | NEG-OLW | TOTAL=2 | | | | | |
| Z870 | XEROX CORPORATION | | | | | | | | | | | Z8708 |
| 113 | EFF.DATE-04/15/79 | | | CVI | RESP-WRG | NEG-OLW | TOTAL 1 | | | | | |

PU'S TOTAL
 COUNT

6
 5

LIST OF SOFTWARE AS APPEARS IN THE LICENSE DATA BASE
AS OF 01-31-84
2. EDUCATIONAL
PLOT-3D PROGR

| CPU'S | TOTAL | COUNT |
|-------|---|------------------------------|
| B880 | CRANFIELD INSTITUTE OF TECHNOLOGY-COMPUTING CENTRE 019 EFF.DATE-05/01/74 | EVA RESP-WRG NEG-OLW TOTAL 1 |
| V080 | UNIVERSITY OF OREGON, THE 173 EFF.DATE-04/01/76 | EVA RESP-WRG NEG-OLW TOTAL 1 |
| | | 2 |
| | | 2 |

LIST OF SOFTWARE AS APPEARS IN THE LICENSE DATA BASE
 AS OF 01-31-84
 2. EDUCATIONAL
 PORT PROGRAM

| | | | | | | |
|------|--|-----|----------|---------|---------|-------|
| A492 | AMERICAN UNIVERSITY IN CAIRO, THE | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | A4929 |
| 036 | EFF.DATE-02/01/77 | | | | | |
| A666 | ASIAN INSTITUTE OF TECHNOLOGY | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | A6660 |
| 094 | EFF.DATE-03/01/80 | | | | | |
| A789 | AUSTRALIAN NATIONAL UNIVERSITY, THE | EVA | RESP-WRG | NEG-OLW | TOTAL=3 | A7890 |
| 008 | EFF.DATE-12/01/78 | | | | | |
| A952 | BAR-ILAN UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | A9528 |
| 054 | EFF.DATE-02/01/78 | | | | | |
| B037 | BETHUNE-COOKMAN COLLEGE | EVA | RESP-WRG | NEG-OLW | TOTAL 2 | B0370 |
| 117 | EFF.DATE-03/01/80 | | | | | |
| B315 | CALIFORNIA INSTITUTE OF TECHNOLOGY, THE | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | B3157 |
| 109 | EFF.DATE-12/01/78 | | | | | |
| B328 | CALIFORNIA POLYTECHNIC STATE UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL19 | B3289 |
| 109 | EFF.DATE-01/01/77 | | | | | |
| B368 | CAPRICORNIA INSTITUTE OF ADVANCED EDUCATION | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | B3680 |
| 008 | EFF.DATE-12/01/78 | | | | | |
| B405 | CASE WESTERN RESERVE UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | B4055 |
| 169 | EFF.DATE-12/01/80 | | | | | |
| B504 | CITY COLLEGE OF THE CITY UNIVERSITY OF NEW YORK, THE | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | B5048 |
| 163 | EFF.DATE-01/01/78 | | | | | |
| B537 | CLARKSON COLLEGE OF TECHNOLOGY | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | B5378 |
| 163 | EFF.DATE-10/01/76 | | | | | |
| B547 | CLEMSON UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL 2 | B5478 |
| 179 | EFF.DATE-09/01/76 | | | | | |
| B565 | COLBY COLLEGE | EVA | RESP-WRG | NEG-OLW | TOTAL=3 | B5653 |
| 137 | EFF.DATE-12/01/81 | | | | | |
| B568 | COLLEGE MISERICORDIA | EVA | RESP-WRG | NEG-OLW | TOTAL=1 | B5680 |
| 175 | EFF.DATE-08/01/81 | | | | | |
| B876 | CORNELL UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL=4 | B8766 |
| 163 | EFF.DATE-07/01/80 | | | | | |
| C332 | DUKE UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | C3324 |
| 165 | EFF.DATE-04/01/79 | | | | | |
| D272 | FREE UNIVERSITY BRUSSELS | EVI | RESP-WRG | NEG-OLW | TOTAL 1 | D2722 |
| 014 | EFF.DATE-03/01/80 | | | | | |
| D280 | FREIE UNIVERSITAT BERLIN | EVA | RESP-WRG | NEG-OLW | TOTAL=1 | D2800 |
| 047 | EFF.DATE-08/01/83 | | | | | |

LIST OF SOFTWARE AS APPEARS IN THE LICENSE DATA BASE
 AS OF 01-31-84
 2. EDUCATIONAL
 PORT PROGRAM

| | | | | | | |
|------|---|-----|----------|---------|---------|-------|
| D695 | GEORGIA INSTITUTE OF TECHNOLOGY | EVA | RESP-WRG | NEG-OLW | TOTAL 2 | D6957 |
| 119 | EFF.DATE-01/01/77 | | | | | |
| D887 | HARVARD UNIVERSITY | EVI | RESP-WRG | NEG-OLW | TOTAL=4 | D8871 |
| 141 | EFF.DATE-06/01/78 | | | | | |
| D918 | HERIOT-WATT UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | D9189 |
| 089 | EFF.DATE-12/01/77 | | | | | |
| E243 | INTERNATIONAL INSTITUTE FOR APPLIED SYSTEMS ANALYSIS, THE (IIASA) | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | E2437 |
| 006 | EFF.DATE-03/01/79 | | | | | |
| E284 | IOWA STATE UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | E2849 |
| 129 | EFF.DATE-11/01/78 | | | | | |
| E397 | JOHNS HOPKINS UNIVERSITY, THE | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | E3977 |
| 139 | EFF.DATE-05/01/76 | | | | | |
| E420 | KANSAS STATE UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL 2 | E4200 |
| 131 | EFF.DATE-07/01/78 | | | | | |
| E436 | KATHOLIEKE UNIVERSITEIT LEUVEN | EVA | RESP-WRG | NEG-OLW | TOTAL 2 | E4360 |
| 014 | EFF.DATE-05/01/77 | | | | | |
| E465 | KENYON COLLEGE | EVA | RESP-WRG | NEG-OLW | TOTAL=3 | E4651 |
| 169 | EFF.DATE-03/01/83 | | | | | |
| E649 | LAKEHEAD UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL=1 | E6491 |
| 022 | EFF.DATE-07/01/82 | | | | | |
| E735 | LAURENTIAN UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | E7358 |
| 022 | EFF.DATE-09/01/76 | | | | | |
| E797 | LELAND STANFORD JUNIOR COLLEGE (BOARD OF TRUSTEES) | EVA | RESP-WRG | NEG-OLW | TOTAL=1 | E7970 |
| 109 | EFF.DATE-12/01/81 | | | | | |
| F104 | MANHATTAN COLLEGE | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | F1040 |
| 163 | EFF.DATE-08/01/78 | | | | | |
| F129 | MASSACHUSETTS INSTITUTE OF TECHNOLOGY | EVA | RESP-WRG | NEG-OLW | TOTAL=4 | F1296 |
| 141 | EFF.DATE-11/01/81 | | | | | |
| F244 | MEMPHIS STATE UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | F2441 |
| 183 | EFF.DATE-10/01/79 | | | | | |
| F363 | MIDDLEBURY COLLEGE | EVA | RESP-WRG | NEG-OLW | TOTAL=1 | F3630 |
| 189 | EFF.DATE-09/01/81 | | | | | |
| F406 | MILLERSVILLE STATE COLLEGE | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | F4068 |
| 175 | EFF.DATE-07/01/76 | | | | | |
| F484 | MONASH UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL=1 | F4841 |
| 008 | EFF.DATE-07/01/83 | | | | | |

LIST OF SOFTWARE AS APPEARS IN THE LICENSE DATA BASE
 AS OF 01-31-84
 2. EDUCATIONAL
 PORT PROGRAM

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|------|--|-------------------|-----|----------|---------|---------|-------|
| G485 | PRINCETON UNIVERSITY 159 | EFF.DATE-10/01/82 | EVA | RESP-WRG | NEG-OLW | TOTAL=1 | G4850 |
| G497 | PURDUE UNIVERSITY 127 | EFF.DATE-07/01/79 | EVA | RESP-WRG | NEG-OLW | TOTAL=3 | G4973 |
| G719 | REKENCENTRUM DER RIJKSUNIVERSITEIT 070 | EFF.DATE-01/01/82 | EVA | RESP-WRG | NEG-OLW | TOTAL=8 | G7190 |
| G805 | RIJSUNIVERSITEIT UTRECHT 070 | EFF.DATE-03/01/77 | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | G8058 |
| G833 | ROCKEFELLER UNIVERSITY, THE 163 | EFF.DATE-09/01/79 | EVA | RESP-WRG | NEG-OLW | TOTAL=1 | G8333 |
| G997 | SAINTE MICHAEL'S COLLEGE 189 | EFF.DATE-06/01/83 | EVA | RESP-WRG | NEG-OLW | TOTAL=1 | G9970 |
| H008 | SAN FRANCISCO COMMUNITY COLLEGE 109 | EFF.DATE-10/01/80 | EVA | RESP-WRG | NEG-OLW | TOTAL=1 | H0081 |
| H200 | SETON HALL UNIVERSITY 159 | EFF.DATE-06/01/80 | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | H2000 |
| H684 | STATE UNIVERSITY OF NEW YORK 163 | EFF.DATE-09/01/83 | EVA | RESP-WRG | NEG-RHF | TOTAL=1 | H6841 |
| H938 | TECHNISCHEN UNIVERSITAT CLAUSTHAL 047 | EFF.DATE-04/01/82 | EVA | RESP-WRG | NEG-OLW | TOTAL10 | H9380 |
| H966 | TEL-AVIV UNIVERSITY 054 | EFF.DATE-09/01/81 | EVA | RESP-WRG | NEG-OLW | TOTAL=2 | H9667 |
| J075 | TEXAS A&M UNIVERSITY 185 | EFF.DATE-02/01/83 | EVA | RESP-WRG | NEG-OLW | TOTAL=1 | J0755 |
| J251 | TOYOHASHI UNIVERSITY OF TECHNOLOGY 061 | EFF.DATE-07/01/82 | EVA | RESP-WRG | NEG-OLW | TOTAL=2 | J2512 |
| N480 | UNIVERSITAT IN SALZBURG 006 | EFF.DATE-02/01/77 | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | N4800 |
| N630 | UNIVERSITY OF ALBERTA, THE 022 | EFF.DATE-01/01/78 | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | N6301 |
| P678 | UNIVERSITY OF AUCKLAND, THE 071 | EFF.DATE-08/01/78 | EVA | RESP-WRG | NEG-OLW | TOTAL 2 | P6780 |
| P687 | UNIVERSITY OF BRISTOL 019 | EFF.DATE-07/01/78 | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | P6871 |
| P691 | UNIVERSITY OF BRITISH COLUMBIA, THE 022 | EFF.DATE-02/01/78 | EVA | RESP-WRG | NEG-OLW | TOTAL=2 | P6914 |

LIST OF SOFTWARE AS APPEARS IN THE LICENSE DATA BASE
 AS OF 01-31-84
 2. EDUCATIONAL
 PORT PROGRAM

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|------|--|--------------|---------|---------|-------|
| R715 | UNIVERSITY OF CHICAGO, THE 125 EFF.DATE-03/01/77 | EVA RESP-WRG | NEG-OLW | TOTAL 1 | R7156 |
| R749 | UNIVERSITY OF ERLANGEN-NURNBERG-REGIONALES RECHENZENTRUM ERLANGEN 047 EFF.DATE-06/01/79 | EVA RESP-WRG | NEG-OLW | TOTAL 2 | R7490 |
| S840 | UNIVERSITY OF ILLINOIS, THE BOARD OF TRUSTEES 125 EFF.DATE-09/01/79 | EVA RESP-WRG | NEG-OLW | TOTAL 1 | S8402 |
| S862 | UNIVERSITY OF KANSAS, THE 131 EFF.DATE-01/01/82 | EVA RESP-WRG | NEG-OLW | TOTAL=2 | S8627 |
| S866 | UNIVERSITY OF KENTUCKY, THE 133 EFF.DATE-05/01/82 | EVA RESP-WRG | NEG-OLW | TOTAL=1 | S8664 |
| T958 | UNIVERSITY OF LOWELL 141 EFF.DATE-01/01/82 | EVA RESP-WRG | NEG-OLW | TOTAL=1 | T9580 |
| U080 | UNIVERSITY OF MINNESOTA, THE 145 EFF.DATE-12/01/78 | EVA RESP-WRG | NEG-OLW | TOTAL 1 | U0805 |
| U094 | UNIVERSITY OF NEBRASKA-LINCOLN 153 EFF.DATE-07/01/82 | EVA RESP-WRG | NEG-OLW | TOTAL=1 | U0941 |
| U112 | UNIVERSITY OF NEW ENGLAND, THE 008 EFF.DATE-11/01/78 | EVA RESP-WRG | NEG-OLW | TOTAL 3 | U1121 |
| U130 | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, THE 165 EFF.DATE-02/01/78 | EVA RESP-WRG | NEG-OLW | TOTAL 2 | U1309 |
| V095 | UNIVERSITY OF OTTAWA 022 EFF.DATE-06/01/83 | EVA RESP-WRG | NEG-OLW | TOTAL=1 | V0952 |
| V110 | UNIVERSITY OF PENNSYLVANIA, THE 175 EFF.DATE-08/01/79 | EVA RESP-WRG | NEG-OLW | TOTAL 1 | V1101 |
| V120 | UNIVERSITY OF PITTSBURGH, THE 175 EFF.DATE-05/01/76 | EVA RESP-WRG | NEG-OLW | TOTAL=5 | V1206 |
| V130 | UNIVERSITY OF RHODE ISLAND 177 EFF.DATE-11/10/83 | EVA RESP-WRG | NEG-DHT | TOTAL=1 | V1300 |
| V157 | UNIVERSITY OF SOUTHERN CALIFORNIA 109 EFF.DATE-07/01/79 | EVA RESP-WRG | NEG-OLW | TOTAL 1 | V1579 |
| W177 | UNIVERSITY OF TENNESSEE, THE 183 EFF.DATE-08/01/82 | EVA RESP-WRG | NEG-OLW | TOTAL=1 | W1771 |
| W180 | UNIVERSITY OF TEXAS AT AUSTIN, THE 185 EFF.DATE-04/01/79 | EVA RESP-WRG | NEG-OLW | TOTAL 1 | W1800 |
| X218 | UNIVERSITY OF TORONTO, THE 022 EFF.DATE-09/01/76 | EVA RESP-WRG | NEG-OLW | TOTAL 1 | X2185 |

LIST OF SOFTWARE AS APPEARS IN THE LICENSE DATA BASE
AS OF 01-31-84
2. EDUCATIONAL
PORT PROGRAM

| | | | | | | | |
|------|---|-------------------|-----|----------|---------|---------|-------|
| X244 | UNIVERSITY OF VICTORIA, THE 022 | EFF.DATE-10/01/79 | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | X2441 |
| X270 | UNIVERSITY OF WASHINGTON, THE 193 | EFF.DATE-11/01/81 | EVA | RESP-WRG | NEG-OLW | TOTAL=2 | X2701 |
| Y400 | UNIVERSITY OF WESTERN ONTARIO, THE 022 | EFF.DATE-12/01/78 | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | Y4009 |
| Y420 | UNIVERSITY OF WOLLONGONG, THE 008 | EFF.DATE-11/01/78 | EVA | RESP-WRG | NEG-OLW | TOTAL=3 | Y4201 |
| Y490 | VASSAR COLLEGE 163 | EFF.DATE-05/01/77 | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | Y4908 |
| Y567 | VILLANOVA UNIVERSITY 175 | EFF.DATE-08/01/80 | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | Y5670 |
| Z080 | WASHINGTON COLLEGE 139 | EFF.DATE-09/01/80 | EVI | RESP-WRG | NEG-OLW | TOTAL 1 | Z0800 |
| Z220 | WASHINGTON UNIVERSITY 149 | EFF.DATE-08/01/81 | EVA | RESP-WRG | NEG-OLW | TOTAL14 | Z2203 |
| Z833 | WOODS HOLE OCEANOGRAPHIC INSTITUTION 141 | EFF.DATE-05/01/82 | EVA | RESP-WRG | NEG-OLW | TOTAL=4 | Z8335 |
| Z895 | YESHIVA UNIVERSITY 163 | EFF.DATE-06/01/82 | EVA | RESP-WRG | NEG-OLW | TOTAL=2 | Z8954 |

CPU'S TOTAL
COUNT

171

82

LIST OF SOFTWARE AS APPEARS IN THE LICENSE DATA BASE
 AS OF 01-31-84
 2. EDUCATIONAL
 POST PROGRAM

| | | | | | | |
|------|--|-----|----------|---------|---------|-------|
| B315 | CALIFORNIA INSTITUTE OF TECHNOLOGY, THE | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | B3156 |
| 109 | EFF.DATE-11/01/78 | | | | | |
| B547 | CLEMSON UNIVERSITY | EVI | RESP-WRG | NEG-OLW | TOTAL 1 | B5479 |
| 179 | EFF.DATE-09/01/80 | | | | | |
| B876 | CORNELL UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL=1 | B8763 |
| 163 | EFF.DATE-10/01/81 | | | | | |
| E649 | LAKEHEAD UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL=1 | E6490 |
| 022 | EFF.DATE-06/01/82 | | | | | |
| F244 | MEMPHIS STATE UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | F2440 |
| 183 | EFF.DATE-10/01/79 | | | | | |
| J075 | TEXAS A&M UNIVERSITY | EVA | RESP-WRG | NEG-OLW | TOTAL=1 | J0754 |
| 185 | EFF.DATE-02/01/83 | | | | | |
| S840 | UNIVERSITY OF ILLINOIS, THE BOARD OF TRUSTEES | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | S8403 |
| 125 | EFF.DATE-09/01/79 | | | | | |
| U130 | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, THE | EVA | RESP-WRG | NEG-OLW | TOTAL 2 | U1304 |
| 165 | EFF.DATE-05/01/78 | | | | | |
| V095 | UNIVERSITY OF OTTAWA | EVA | RESP-WRG | NEG-OLW | TOTAL=1 | V0951 |
| 022 | EFF.DATE-06/01/83 | | | | | |
| V110 | UNIVERSITY OF PENNSYLVANIA, THE | EVA | RESP-WRG | NEG-OLW | TOTAL 1 | V1102 |
| 175 | EFF.DATE-07/01/79 | | | | | |

PU'S TOTAL
 COUNT

11

10