Program Name: [BONDMAIN]
Bond Calculation

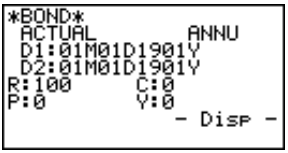
Subroutine: **[BONDCHNG]** **[360DAY]**
[BONDSOLV] **[PRCSHRT]**
[BONDCALC] **[YLDSHRT]**
[BONDDISP] **[PRCLONG]**
[BONDMORE] **[YLDLONG]**
[JULIAN] **[PPRIME]**
[CALDAY]
[ACTDAY]

■ Description

This program performs bond calculations.

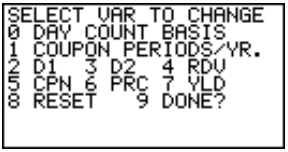
Example **A bond that pays 6.5% interest on December 15, 1999 is purchased on May 25, 1988 (face value = 100). How much should be paid for the bond to obtain a yield of 7.45% on December 15, 1999.**

"BONDMAIN" EXE

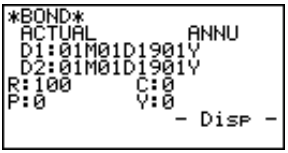


The contents of this screen depend on the last calculation you performed.

EXE



↓ EXE



[EXE] [0] [EXE]

```
DAY COUNT BASIS
  0 ACTUAL
  1 30/360
?
```

[1] [EXE]

```
*BOND*
 30/360        ANNU
 D1:01M01D1901Y
 D2:01M01D1901Y
R:100      C:0
P:0        Y:0
                - Disp -
```

[EXE] [1] [EXE](COUPON...)

```
COUPON PERIODS/YR.
  1 ANNUAL
  2 SEMI-ANNUAL
?
```

[2] [EXE] [EXE]

```
SELECT VAR TO CHANGE
0 DAY COUNT BASIS
1 COUPON PERIODS/YR.
2 D1   3 D2   4 RDV
5 CPN 6 PRC 7 YLD
8 RESET   9 DONE?
```

[2] [EXE]

```
D1
M?
```

[5] [EXE]
[2] [5] [EXE]
[1] [9] [8] [8] [EXE]
[EXE]
[3] [EXE](D2)

```
D2
M?
```

[1] [2] [EXE]
[1] [5] [EXE]
[1] [9] [9] [9] [EXE]
[EXE]
[4] [EXE](RDV)

```
REDEMPTION VALUE
RDV?
```

1 0 0 EXE
EXE
5 EXE (CPN)

```
COUPON RATE
 (1 PERCENT = 1.0)
CPN?
```

6 • 5 EXE
EXE
7 EXE (YLD)

```
YIELD
 (1 PERCENT = 1.0)
YLD?
```

7 • 4 5 EXE EXE

```
SELECT VAR TO CHANGE
0 DAY COUNT BASIS
1 COUPON PERIODS/YR.
2 D1  3 D2  4 RDV
5 CPN 6 PRC 7 YLD
8 RESET   9 DONE?
```

9 EXE

```
SOLVE FOR
 1 PRC
 2 YLD
?
```

1 EXE

```
*BOND*
 30/360        SEMI
 D1:05M25D1988Y
 D2:12M15D1999Y
R:100      C:6.5
P:92.718   Y:7.45
                - DISP -
```

EXE

```
PRICE
                92.718675
ACCRUED INTEREST
                 2.888889
TOTAL COST
                95.608
```