

3.5 Modify the following program, first by making it into a CASE statement, then by using a different data structure and a loop. Which version is clearer?

```

TAXPAY=PAY-14.5*NO_EXEMP;
IF TAXPAY<11.01
  THEN DO;
    TAX=0;
    GO TO OUT;
  END;
IF TAXPAY<35.01
  THEN DO;
    TAX=.14*(TAXPAY-11);
    GO TO OUT;
  END;
IF TAXPAY<73.01
  THEN DO;
    TAX=3.36+.18*(TAXPAY-35);
    GO TO OUT;
  END;
IF TAXPAY<202.01
  THEN DO;
    TAX=10.20+.21*(TAXPAY-73);
    GO TO OUT;
  END;
IF TAXPAY<231.01
  THEN DO;
    TAX=37.29+.23*(TAXPAY-202);
    GO TO OUT;
  END;
IF TAXPAY<269.01
  THEN DO;
    TAX=43.96+.27*(TAXPAY-231);
    GO TO OUT;
  END;
IF TAXPAY<333.01
  THEN DO;
    TAX=54.22+.31*(TAXPAY-269);
    GO TO OUT;
  END;
    TAX=74.06+.35*(TAXPAY-333);
OUT:
...
```