```c
#include files

main()

{
    /* variable declarations and initialization */

    while (choice != 4)  {

        /* generate menu and read choice */

        if (choice >= 1 && choice <= 3)
            /* read val and n */

        switch (choice)  {

        case  1:          /* straight-line method */

            /* write out title */
            /* calculate depreciation */

            /* for each year:
                    calculate a new value
                    write out year, depreciation, value */

        case  2:          /* double-declining-balance method */

            /* write out title */

            /* for each year:
                    calculate depreciation
                    calculate a new value
                    write out year, depreciation, value */

        case  3:          /* sum-of-the-years'-digits method */

            /* write out title */

            /* tag original value */

            /* for each year:
                    calculate depreciation
                    calculate a new value
                    write out year, depreciation, value */

        case  4:          /* end of computation */

            /* write 'goodbye' message */

            /* write out title */

        default:          /* generate error message */

            /* write error message */
        }

    }
}
```