**Odd even program**

START 100

READ N

MOVER AREG, N

MOD AREG, TWO

COMP AREG, ZERO

BC EQ, X

PRINT ORES

BC ANY, Z

X PRINT ERES

Z STOP

N DS 1

TWO DC ‘2’

ZERO DC ‘0’

ERES DC ‘EVEN’

ORES DC ‘ODD’

END

**USING LITERALS**

START 100

READ N

MOVER AREG, N

MOD AREG, =’2’

COMP AREG, =’0’

BC EQ, X

PRINT =’ODD’

BC ANY, Z

X PRINT =’EVEN’

Z STOP

N DS 1

END

=’2’

=’0’

=’ODD’

=’EVEN’