**Develop a program to multiply two 16 bit binary numbers.**

AREA MULT, CODE, READONLY

ENTRY

LDR R1,=ARR

LDR R2,[R1]

ADD R1,#2

LDR R3,[R1]

MUL R4,R2,R3

LDR R5,=RESULT

STR R4,[R5]

STOP B STOP

ARR DCW 2\_1010,2\_10

AREA DATA1, DATA,READWRITE

RESULT DCD 0X0

END