START 300

READ A 300

READ B 301

MOVER AREG, A 302

ADD AREG, B 303

MOVEM AREG, SUM 304

PRINT SUM 305

STOP 306

A DS 1 307

B DS 1 308

SUM DS 1 309

END

PASS 1 PROCESS

**SYMTAB**

**Symbol Address Length**

**A 307 1**

B 308 1

SUM 309 1

**GENERATE IC**

START 300 (AD,01) (C,300)

READ A 300 (IS,09) A

READ B 301 (IS,09) B

MOVER AREG, A 302 (IS,04) AREG, A

ADD AREG, B 303 (IS,01) AREG, B

MOVEM AREG, SUM 304 (IS,05) AREG, SUM

PRINT SUM 305 (IS,10) SUM

STOP 306 (IS,00)

A DS 1 307 (DL,02) (C,1)

B DS 1 308 (DL,02) (C,1)

SUM DS 1 309 (DL,02) (C,1)

END