

```

        fw.write(" ");
    }
}
} catch(Exception e){
    System.out.println(e);
}
}
fw.write("\n");
LC++;
}
fw.close();
ST.entrySet().forEach(entry -> {
    System.out.println(entry.getKey() + " " + entry.getValue());
});
} catch(FileNotFoundException e){
    System.out.println("An error occurred.");
    e.printStackTrace();
} catch(IOException e){
    System.out.println("An error occurred.");
    e.printStackTrace();
}
}
}
}

```

INPUT:

```

START 250
MOVEM AREG,A
LOOP MULT BREG, A
MOVEM BREG, B
TERM EQU LOOP
MOVEM BREG,A
A DS 3
B DC 3
END

```

OUTPUT:

```

      ( AD , 01 ) ( C ,250 )
250   ( IS , 05 ) ( RG , 1 ) ( S ,1 )
251   ( IS , 03 ) ( RG , 2 ) ( S ,1 )
252   ( IS , 05 ) ( RG , 2 ) ( S ,3 )
253   ( AD , 04 ) ( S ,2 )
254   ( IS , 05 ) ( RG , 2 ) ( S ,1 )
255   ( DL , 02 ) ( C ,3 )
258   ( DL , 01 ) ( C ,3 )
      ( AD , 02 )

```