

p7:

Word:

AND

ARRAY

BEGIN

CASE

p7b:

Word:

FOR

LABEL

FUNCTION

GOTO

IF

IN

Perfect Hash Function.

Word length + First Character Value + Last Character Value - 2 (to start at 0)

$$3 + (A = 11) + (D = 0) - 2 = 12$$

$$5 + (A = 11) + (Y = 13) - 2 = 27$$

$$5 + (B = 15) + (N = 13) - 2 = 31$$

$$4 + (C = 1) + (E = 0) - 2 = 3$$

Separate Chaining to handle overflow.

First Character + Last Character - 2 (to start at 0)

$$(F = 6) + (R = 18) - 2 = 22$$

$$(L = 12) + (L = 12) - 2 = 22 \text{ (LABEL and FOR stored in same index using separate chaining.)}$$

$$(F = 6) + (N = 14) - 2 = 18$$

$$(G = 7) + (O = 15) - 2 = 20$$

$$(I = 9) + (F = 6) - 2 = 13$$

$$(I = 9) + (N = 14) - 2 = 21$$