W_{2}
PROGRAMMING (STYLE) [FIG. 3-4]
USE COMMENTS THROUHOUF
GOOD VAR. NAMES / CONST. NAMES / FCT. NAMES
GOUD STYLE & READABILITY
USE CONSTANTS
define check Bouneing Fee 10,00
GOUD FORMATTING & INDENTATION
(of C souve files)
SEE " PROGRAM LEVELS";
- USE SIMPLICITY, NOT COMPLEXITY
WSER-FRIENDLY FOR PROCRAMMER FOR USER
THUS: 1) DESIGN PROGRAM PRIOR TO CODING
2) DEICRIBE PROCERIC IN "PSEUDO-CODE"
(= mix dure of English & C)
3) WHEN "LOCIC " OF DESIGN AND
PSEUDO-CODE IS GOOD / CURRECT,
TYPES OF STATEMENTS
1) SIMPLE PERFORM PN OPERATION
2) CONTROL ONTROL ORDER IN WHICH
STATEMENTS ARE EXECUTED
NOTHTIONS EXPREDIEN ;



JEMBEDDED - DONE AS PART OF EXPRESSION

$$z = u (x = 6) + (y = 7)^{4}$$

i) assign 6 to x, assign 7 to y

Ti) value is 13

MULTIPLE :

 $11 \ h1 = h2 = h3 = 0;$ $4 \ (h1 = (h2 = (h3 = 0)));$

1* From RIGHT to LEFT */

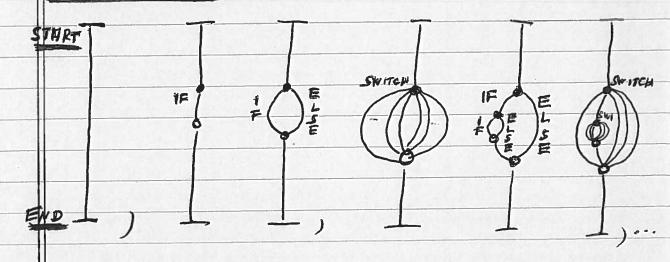
B) PRECEDENCE of anyumnt (=):

A SIICN MENT OPERATOD

USED AFTER ARITHMETIC OPFRATORS

BLOCK : 2 statement of statement of

PROGRAM FLOW



ONTROL AND BOOLEAN DATH

genlib.h has type bool

TRUE (=1) OV FALSE (0)

"Boils = Results of relational comparison"

· LOGICAL OPERATORS:

int a, b,

7 NOT 2 !

A AND = &&

if (a = = 4)

V OR = 11

il (a==4 1 5==5)

if (a!=4)

A, B of type bool:

if (a==4 & b==6)

DA !A B TF ON TF

- PRECEDENCE:

EXP, relop, EXP2 relop.

= (EXP, rilup, EXP) rilupa ...

WHY? EFFICIENCY: Stop evaluating once result is definal/clear

* (FALSE) && "whatever" is FALSE

· if (All B 11 (11 D11 ...)

THE YOLK IS TRUE,

