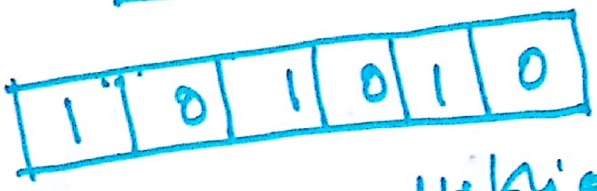
9.8.2018



21 X 2

Implement multiplication

$X * Y$

$* (a_0 \cdot 2^0 + a_1 \cdot 2^1 \ldots + a_n 2^n)$

Shift + ADDITION

Multiplication is costly.

Binary → ~~Octal~~ Hexadecimal / Octal.

$2^3 2^2 2^1 2^0$

1011.1011 1110. → BBE

B B E

→ ~~fraction~~ ternary $(x)_3$.

Hexadecimal → (0-9, A B, C D E F)

→ Octal

$(567.6)_8 \rightarrow (\quad)_{F6.}$

→ Two step process 1st Binary

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$(\quad X \quad)_2 \rightarrow (\quad Y. \quad)_3$

$(\quad)_{10}$

$(1101110.)_2 \rightarrow (\quad)_3$

$1.2^6 + 1.2^5 + 0.2^4 (+ 1.2^3 + 1.2^2 + 1.2^1 + 0.2^0)$

$= 3 \mid 110$

$3 \mid 36 \quad 2$

$3 \mid 12 \quad 0$

$3 \mid 4 \quad 0$

$1 \quad 1$

$(1002)_3$

$(\quad)_8 \rightarrow (\quad)_4$

$(\quad)_2$

$(\quad)_4 - (\quad)_{16}$

$(\quad)_4$

$(\quad)_2$

$(x \cdot 3)_3 \quad 2.$

$x > 0$

$x \cdot 3 + c = 110.$

$3 \cdot Y + C_1 = X$

$3 \cdot 2 + C_2 = Y$

$(\quad)_{16} \rightarrow (\quad)_{64}$

$(\quad)_4$

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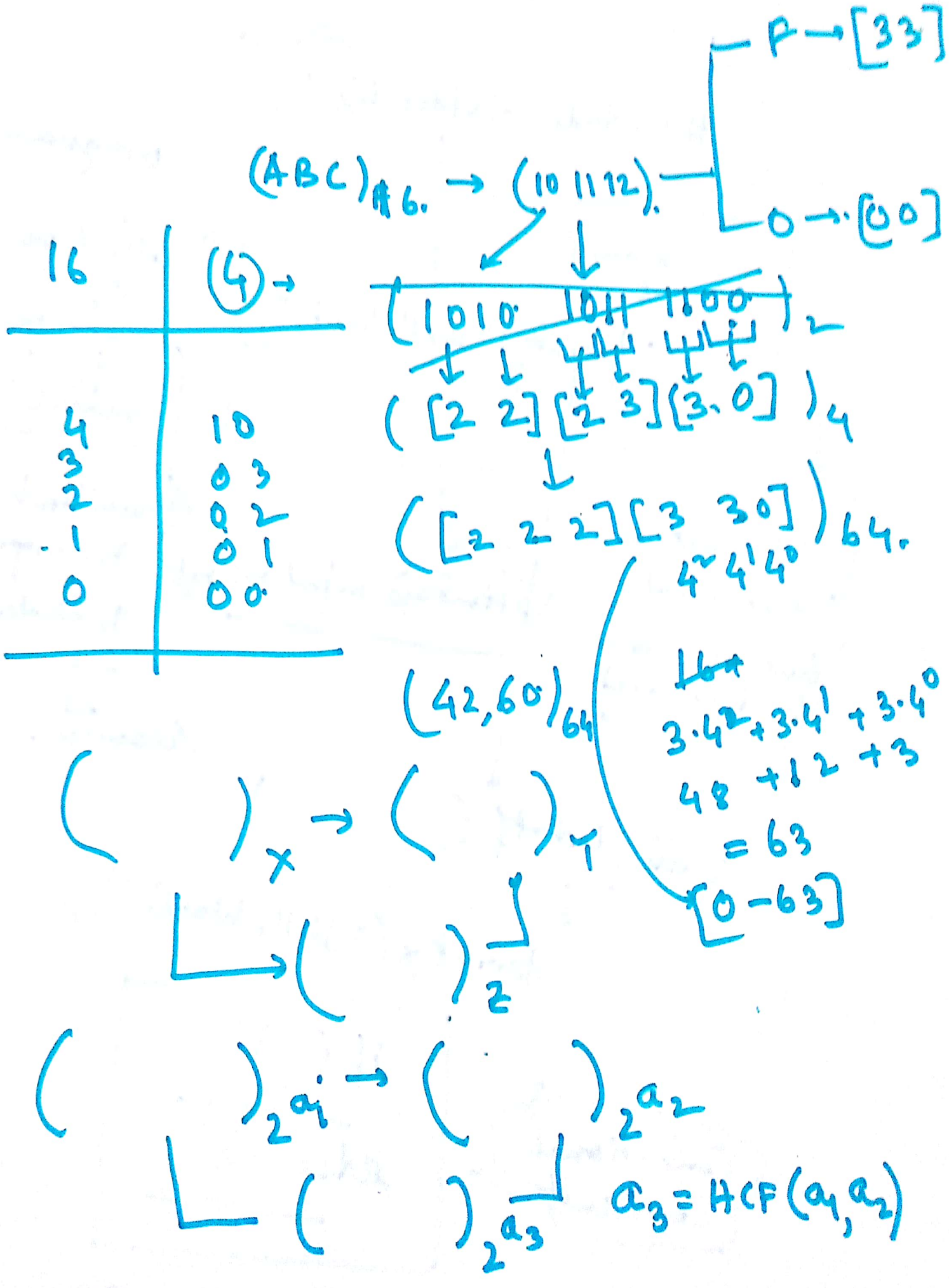

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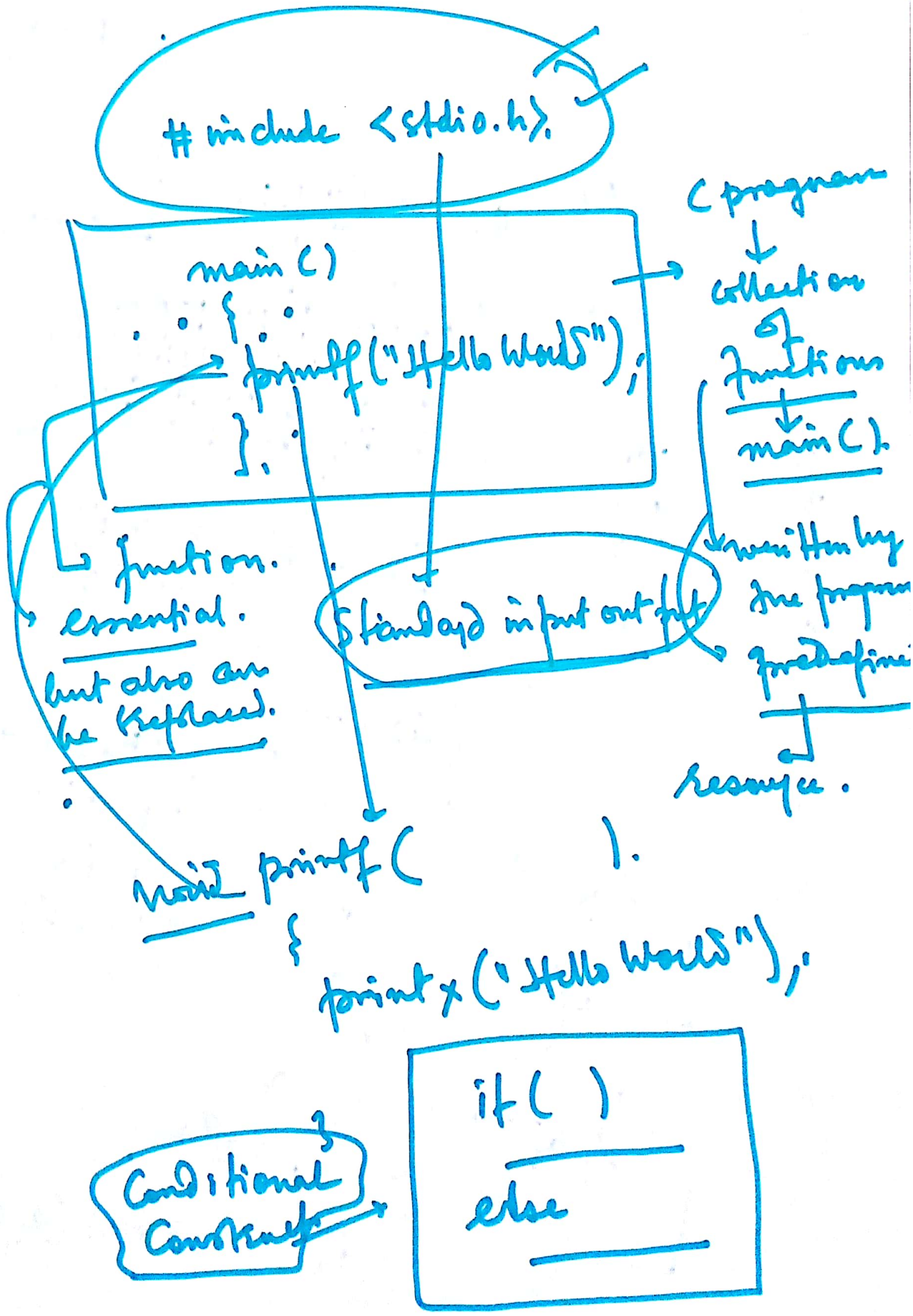

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x = 5, Y = 3. →
x = 5, Y = 7

. . .

→ Largest number is 5
Largest number is 3.

Largest number is 7

If (x > Y) printf ("Largest %d", X);
If (Y > x+5) printf ("Largest %d", Y);

If (x > Y) printf (. . .)
else printf ( )

Greater.

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