

About how many hours did you spend actively working on this assignment? _____

1a. Message decoded from T-shirt:

1b. Explain your steps for decoding the T-shirt message::

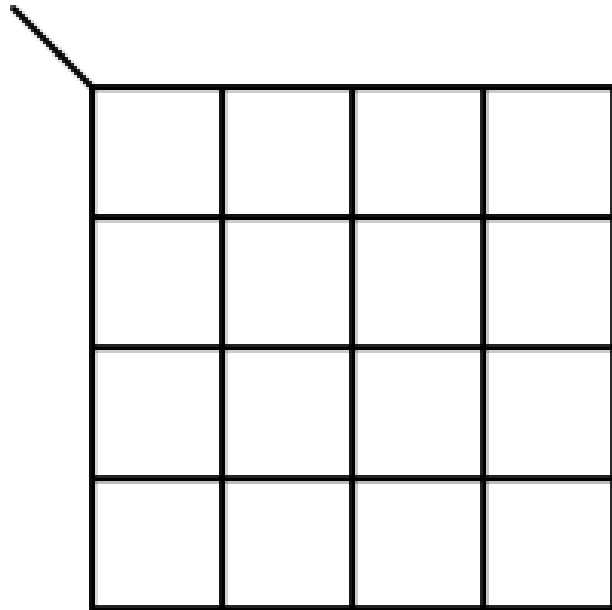
2a. Unicode code points decoded from 7-byte message:

2b. Explain your steps for decoding the Unicode message:

2c. What would the message look like in a Unicode enabled application?

3a. Truth Table

3b. Karnaugh Map



1c. Minimal sum of products expression:

$F(A,B,C,D) =$

4.. Switching Network

A

C

B

D

S

5. Draw circuits on next page, text answers here.

5b. Result =

5e. (Brief!)

5c(i) Sign bit of A-B gives **correct result** for $A < B$.

Example:

A =

B =

5c(ii) Sign bit of A-B gives **incorrect result** for $A < B$.

Example:

A =

B =

Reason:

Other parts of 5 will be drawn on the following page.

5a(i-iv) Condition Flags, 5c(iii) Less-Than Flag, 5d Equals Flag. Label outputs clearly.

