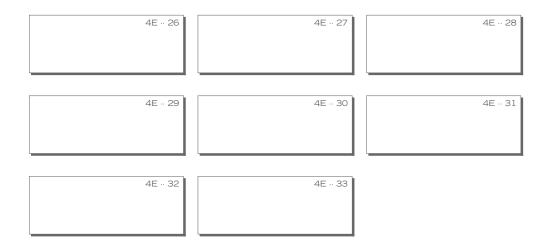
LABORATORY 5

Please print this sheet prior to coming to laboratory. Complete the pre-laboratory tasks in your lab notebook. Complete the lab tasks in **both** your lab notebook and this submission sheet.

1 Pre-laboratory Verification



2 Laboratory Verification

| 4E ·· 34 | 4E ·· 3 | 5 |
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3 Deliverables

1. Copy the results table below (you may omit **0** values):

| | Inp | uts | | | Sin | nula | ted C | Outp | uts | | FP | ıts | Wired | | | | | |
|-----|-----|-----|-----|-------|------|------|-------|------------------------------|------------------------------|------|---------|------|-------|-------------------|------------------------------|------------------------------|------|------------|
| A | В | C | D | FKmap | Fmin | ABCD | ABCD | $\overline{AB\overline{C}D}$ | $\overline{ABC\overline{D}}$ | ABCD | FKmap | Fmin | ABCD | $A\overline{B}CD$ | $\overline{AB\overline{C}D}$ | $\overline{ABC\overline{D}}$ | ABCD | Output |
| SM3 | SW2 | SW1 | SWO | FD6 | LD5 | LD4 | LD3 | LD2 | LD1 | rD0 | PTP PTP | LD5 | LD4 | LD3 | LD2 | LD1 | rD0 | F_{Kmap} |
| 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 1 | | | | | | | | | | | | | | | |
| 0 | 0 | 1 | 0 | | | | | | | | | | | | | | | |
| 0 | 0 | 1 | 1 | | | | | | | | | | | | | | | |
| 0 | 1 | 0 | 0 | | | | | | | | | | | | | | | |
| 0 | 1 | 0 | 1 | | | | | | | | | | | | | | | |
| 0 | 1 | 1 | 0 | | | | | | | | | | | | | | | |
| 0 | 1 | 1 | 1 | | | | | | | | | | | | | | | |
| 1 | 0 | 0 | 0 | | | | | | | | | | | | | | | |
| 1 | 0 | 0 | 1 | | | | | | | | | | | | | | | |
| 1 | 0 | 1 | 0 | | | | | | | | | | | | | | | |
| 1 | 0 | 1 | 1 | | | | | | | | | | | | | | | |
| 1 | 1 | 0 | 0 | | | | | | | | | | | | | | | |
| 1 | 1 | 0 | 1 | | | | | | | | | | | | | | | |
| 1 | 1 | 1 | 0 | | | | | | | | | | | | | | | |
| 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | |

| 2. | W | 'hat | dc | th | e L | EDF | ₹4. | .0 | rep | res | sen | t in | the | e F | PG | Α | lev | elo | pm | ent | bo | arc | d in | npl | em | ent | ation? |
|----|---|------|------|----|-----|-----|-----|-----|------|-----|-----|------|------|-----|----|----|------|-----|------|------|-----|------|------|-----|----|------|--------|
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| 3. | W | hy | is 1 | OW | /cc | lur | nn | orc | leri | ng | in | a K | Carı | ıau | gh | ma | ıp r | ot | in a | asce | end | ling | g bi | naı | ус | orde | er? |
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